LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020300.D
Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.063	543	549	560	rBB3	62380	161266	0.57%	0.144%
2	7.578	799	807	812	rVV	371197	661415	2.34%	0.590%
3	7.737	827	834	840	rBV2	97780	167860	0.59%	0.150%
4	7.813	840	847	856	rVB	307386	523183	1.85%	0.467%
5	8.472	952	959	964	rBV	209316	366987	1.30%	0.327%
6	8.530	964	969	976	rVV	111503	186141	0.66%	0.166%
7	8.648	979	989	996	rVV	2481493	4688916	16.59%	4.184%
8	8.859	1019	1025	1031	rVV	119301	231763	0.82%	0.207%
9	8.947	1031	1040	1049	rVB2	191877	405997	1.44%	0.362%
10	9.265	1087	1094	1099	rVV2	81763	176268	0.62%	0.157%
11	9.323	1099	1104	1119	rVB2	68511	155417	0.55%	0.139%
12	9.517	1132	1137	1141	rVV	98519	194578	0.69%	0.174%
13	9.582	1141	1148	1154	rVV2	159861	398282	1.41%	0.355%
14	10.081	1224	1233	1236	rBV2	355525	796462	2.82%	0.711%
15	10.340	1261	1277	1283	rBV4	197882	676725	2.39%	0.604%
16	10.405	1283	1288	1302	rVB	460215	928127	3.28%	0.828%
17	10.540	1302	1311	1321	rBV5	162239	449179	1.59%	0.401%
18	10.798	1345	1355	1364	rBV	100254	208171	0.74%	0.186%
19	11.039	1373	1396	1401	rVV	6885817	28267547	100.00%	25.223%
20	11.115	1402	1409	1415	rVB	1133766	1835827	6.49%	1.638%
21	11.251	1422	1432	1441	rVB2	55416	153689	0.54%	0.137%
22	11.439	1457	1464	1469	rBV	149735	248117	0.88%	0.221%
23	11.515	1469	1477	1486	rBV	102291	260648	0.92%	0.233%
24	11.738	1508	1515	1526	rVB2	351696	638785	2.26%	0.570%
25	11.926	1538	1547	1552	rBV	137001	251611	0.89%	0.225%
26	11.979	1552	1556	1561	rBV	172379	270090	0.96%	0.241%
27	12.302	1605	1611	1616	rBV2	193804	333927	1.18%	0.298%
28	12.414	1622	1630	1635	rBV	649032	1220410	4.32%	1.089%
29	12.578	1647	1658	1664	rBV	2885244	5454345	19.30%	4.867%
30	12.790	1682	1694	1703	rBV	1770115	3303937	11.69%	2.948%
31	12.943	1712	1720	1730	rVV2	156662	386021	1.37%	0.344%
32	13.201	1758	1764	1773	rVV6	108171	340313	1.20%	0.304%
33	13.284	1773	1778	1789	rVB2	86133	194849	0.69%	0.174%
34	13.566	1813	1826	1834	rVV2	934044	1823814	6.45%	1.627%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020300.D
Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

35	13.665	1834	1843	1853	rVV	250400	543048	1.92%	0.485%
36	13.759	1853	1859	1869	rVB2	160559	359659	1.27%	0.321%
37	13.906	1869	1884	1891	rBV4	208645	719749	2.55%	0.642%
38	14.047	1902	1908	1913	rVV	296263	560582	1.98%	0.500%
39	14.100	1913	1917	1919	rVV	171651	259307	0.92%	0.231%
40	14.130	1919	1922	1927	rVV	218162	336624	1.19%	0.300%
41	14.212	1932	1936	1942	rVB	110537	165605	0.59%	0.148%
42	14.282	1942	1948	1951	rBV	108437	176555	0.62%	0.158%
43	14.447	1964	1976	1984	rVB2	491858	1286198	4.55%	1.148%
44	14.700	2015	2019	2021	rVV	164050	254840	0.90%	0.227%
45	14.729	2021	2024	2029	rVV3	163817	296580	1.05%	0.265%
46	14.805	2029	2037	2042	rVV	3352037	6283072	22.23%	5.606%
47	14.870	2042	2048	2052	rVV	1052686	1741972	6.16%	1.554%
48	14.911	2052	2055	2064	rVV3	155507	269836	0.95%	0.241%
49	15.005	2064	2071	2081	rVV2	973218	1987431	7.03%	1.773%
50	15.134	2086	2093	2101	rVV2	2329814	4424552	15.65%	3.948%
51	15.716	2187	2192	2196	rBV	306836	440931	1.56%	0.393%
52	15.781	2196	2203	2208	rVB	1968221	3194313	11.30%	2.850%
53	15.898	2217	2223	2232	rBV4	351254	823087	2.91%	0.734%
54	15.992	2232	2239	2247	rVB3	369805	950663	3.36%	0.848%
55	16.063	2247	2251	2259	rVB2	142100	228022	0.81%	0.203%
56	16.139	2259	2264	2268	rBV	136513	235803	0.83%	0.210%
57	16.186	2268	2272	2273	rBV4	138458	173043	0.61%	0.154%
58	16.439	2309	2315	2326	rVB4	169708	330213	1.17%	0.295%
59	16.562	2330	2336	2341	rBV	112500	184576	0.65%	0.165%
60	16.644	2341	2350	2358	rBV	490322	865393	3.06%	0.772%
61	16.727	2358	2364	2369	rBV	605893	1026683	3.63%	0.916%
62	16.973	2400	2406	2414	rVV6	98001	257934	0.91%	0.230%
63	17.126	2428	2432	2439	rVB2	137666	230719	0.82%	0.206%
64	17.255	2448	2454	2457	rBV	410879	655969	2.32%	0.585%
65	17.291	2457	2460	2467	rVV2	250508	372679	1.32%	0.333%
66	17.355	2467	2471	2473	rVV	105823	147699	0.52%	0.132%
67	17.385	2473	2476	2478	rVV	112698	156826	0.55%	0.140%
68	17.414	2478	2481	2484	rVV	190040	260066	0.92%	0.232%
69	17.473	2484	2491	2494	rVV2	236291	601702	2.13%	0.537%
70	17.526	2494	2500	2504	rVV	2628968	4355008	15.41%	3.886%
71	17.573	2504	2508	2512	rVV2	512386	878686	3.11%	0.784%

LSC Area Percent Report

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Data File : BG020300.D
Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

72	17.602	2512	2513	2518	rVV	246991	261427	0.92%	0.233%
73	17.843	2541	2554	2556	rBV	349117	636312	2.25%	0.568%
74	17.896	2556	2563	2569	rVB	2610648	4971976	17.59%	4.436%
75	17.966	2569	2575	2582	rBV2	709579	1444811	5.11%	1.289%
76	18.037	2582	2587	2593	rVB	975922	1472330	5.21%	1.314%
77	18.119	2593	2601	2606	rBV5	171595	421167	1.49%	0.376%
78	18.219	2613	2618	2628	rVB5	132935	277549	0.98%	0.248%
79	18.307	2628	2633	2637	rBV	370271	529842	1.87%	0.473%
80	18.395	2643	2648	2654	rBV2	769256	1293670	4.58%	1.154%
81	18.466	2654	2660	2666	rVB	551303	900144	3.18%	0.803%
82	18.542	2666	2673	2681	rVB4	206964	390339	1.38%	0.348%
83	18.618	2681	2686	2689	rBV	250396	436069	1.54%	0.389%
84	18.689	2694	2698	2701	rVV	185232	295348	1.04%	0.264%
85	18.718	2701	2703	2708	rVV	118183	149004	0.53%	0.133%
86	18.777	2708	2713	2718	rVV	281379	446347	1.58%	0.398%
87	18.830	2718	2722	2727	rVB2	197379	281124	0.99%	0.251%
88	18.883	2727	2731	2735	rBV3	129596	190774	0.67%	0.170%
89	19.141	2771	2775	2780	rVV3	90248	158545	0.56%	0.141%
90	19.517	2833	2839	2844	rVV	395273	563682	1.99%	0.503%
91	19.606	2844	2854	2865	rVB6	60977	188933	0.67%	0.169%
92	19.852	2889	2896	2899	rVV	480072	849677	3.01%	0.758%
93	19.882	2899	2901	2911	rVB2	348273	442139	1.56%	0.395%
94	20.252	2959	2964	2969	rBV	264787	366033	1.29%	0.327%
95	20.328	2969	2977	2982	rBV	366908	613245	2.17%	0.547%
96	20.980	3082	3088	3097	rVB3	168843	337114	1.19%	0.301%
97	21.738	3210	3217	3223	rBV2	306461	543878	1.92%	0.485%
98	23.213	3458	3468	3478	rBV2	55482	145759	0.52%	0.130%
99	24.788	3725	3736	3749	rBV	229770	642365	2.27%	0.573%
100	25.017	3764	3775	3787	rVB2	150622	425552	1.51%	0.380%

Sum of corrected areas: 112071447

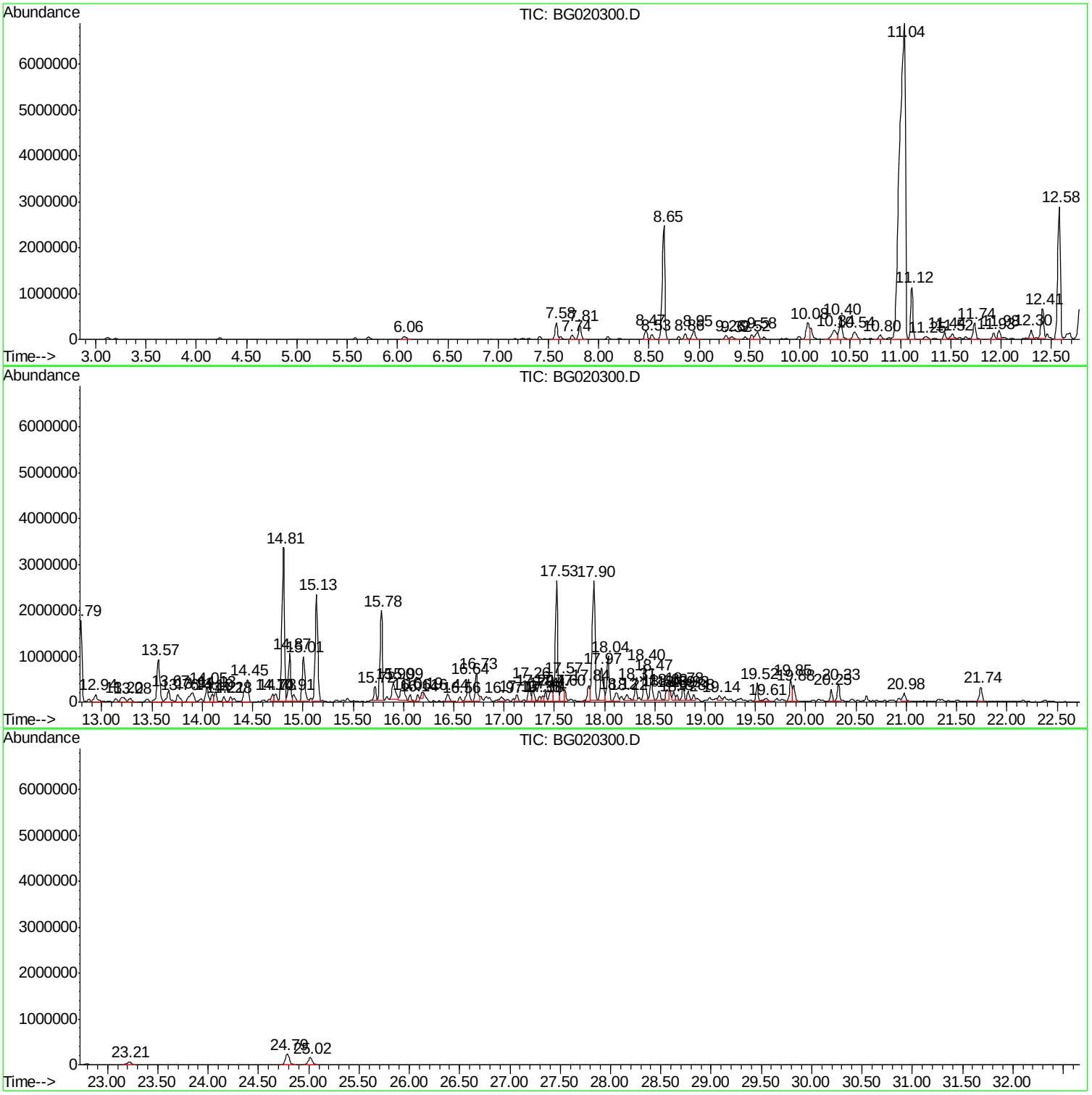
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020300.D
Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020300.D
Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

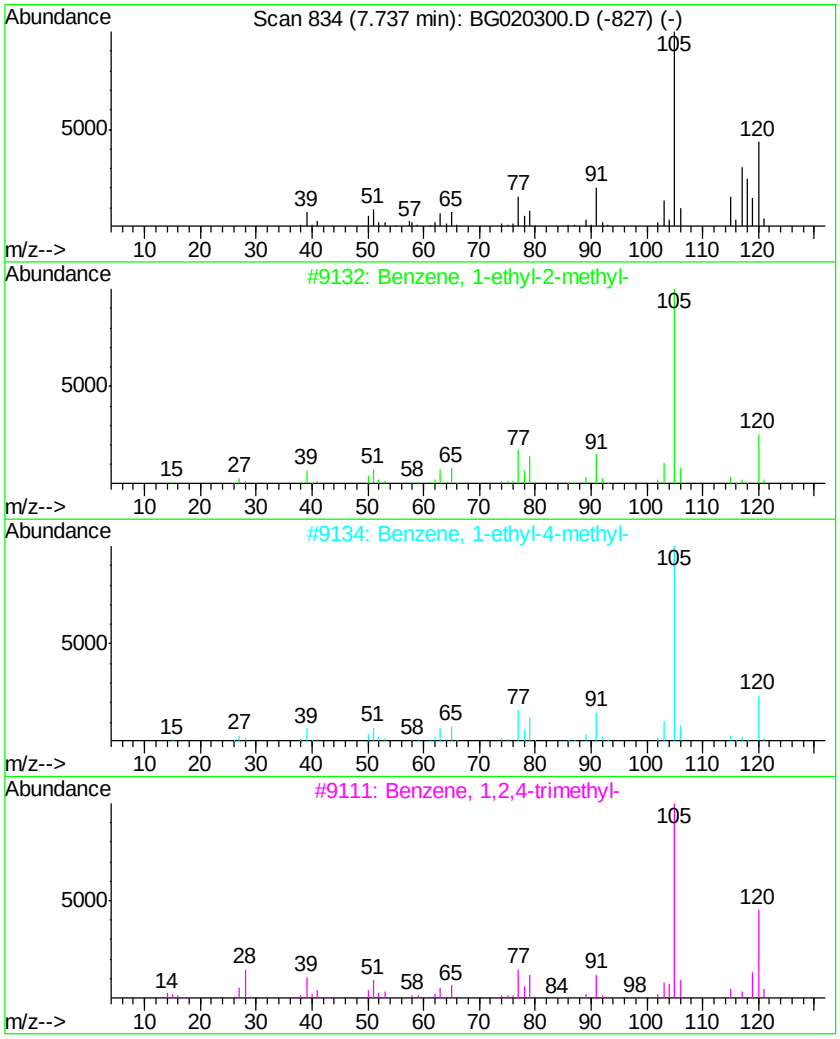
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

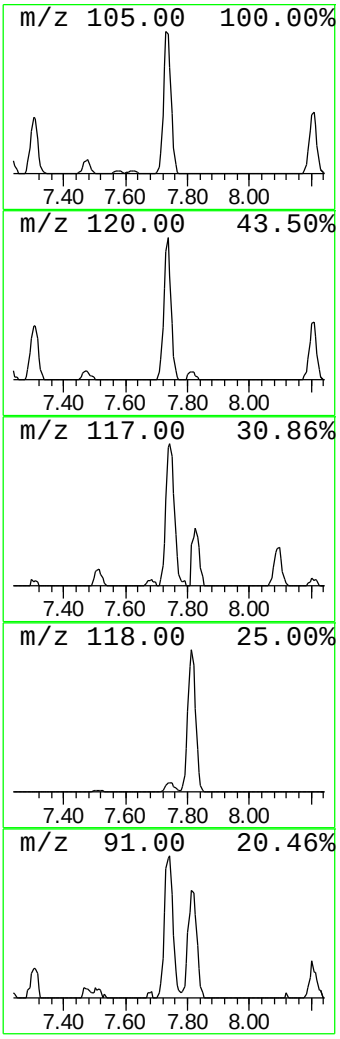
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	6.42 ng/ul	167860	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	64
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020300.D
Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

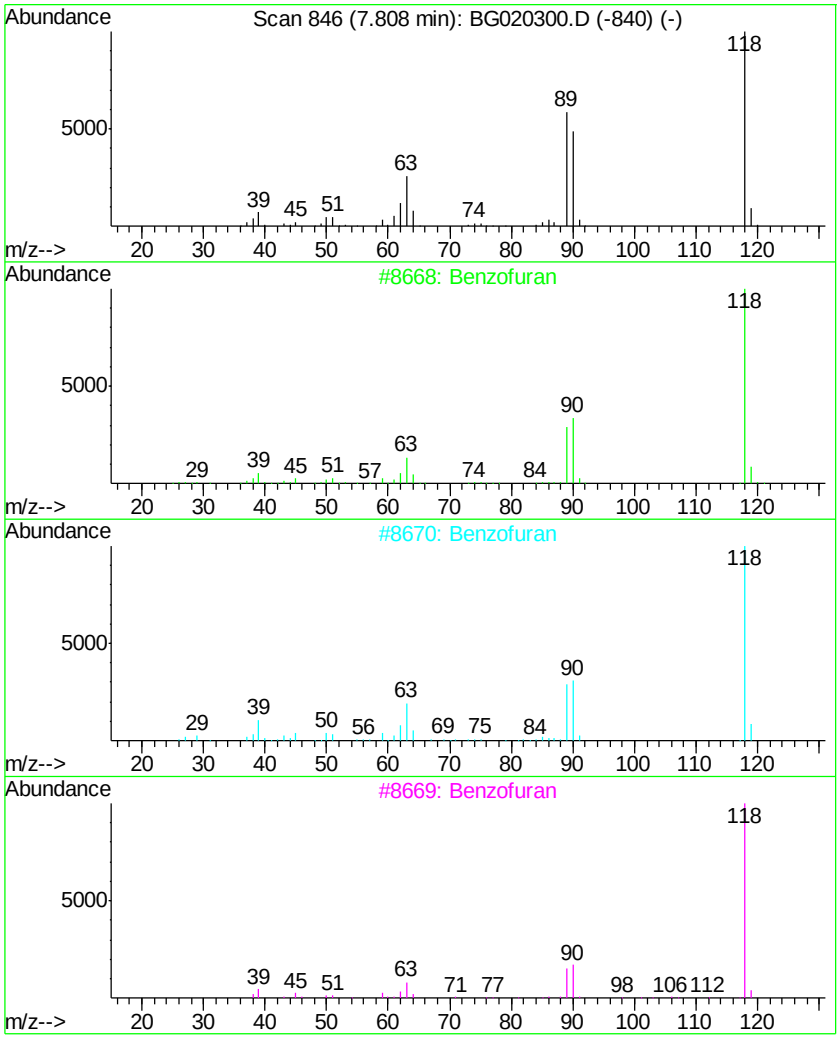
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

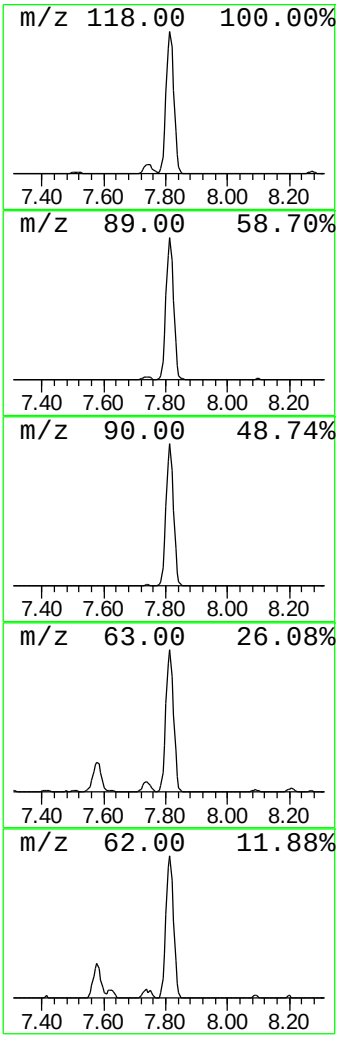
****

Peak Number 3 Benzofuran Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	20.00 ng/ul	523183	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	94
2	Benzofuran	118	C8H6O	000271-89-6	91
3	Benzofuran	118	C8H6O	000271-89-6	90
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	87
5	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	45





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020300.D
Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

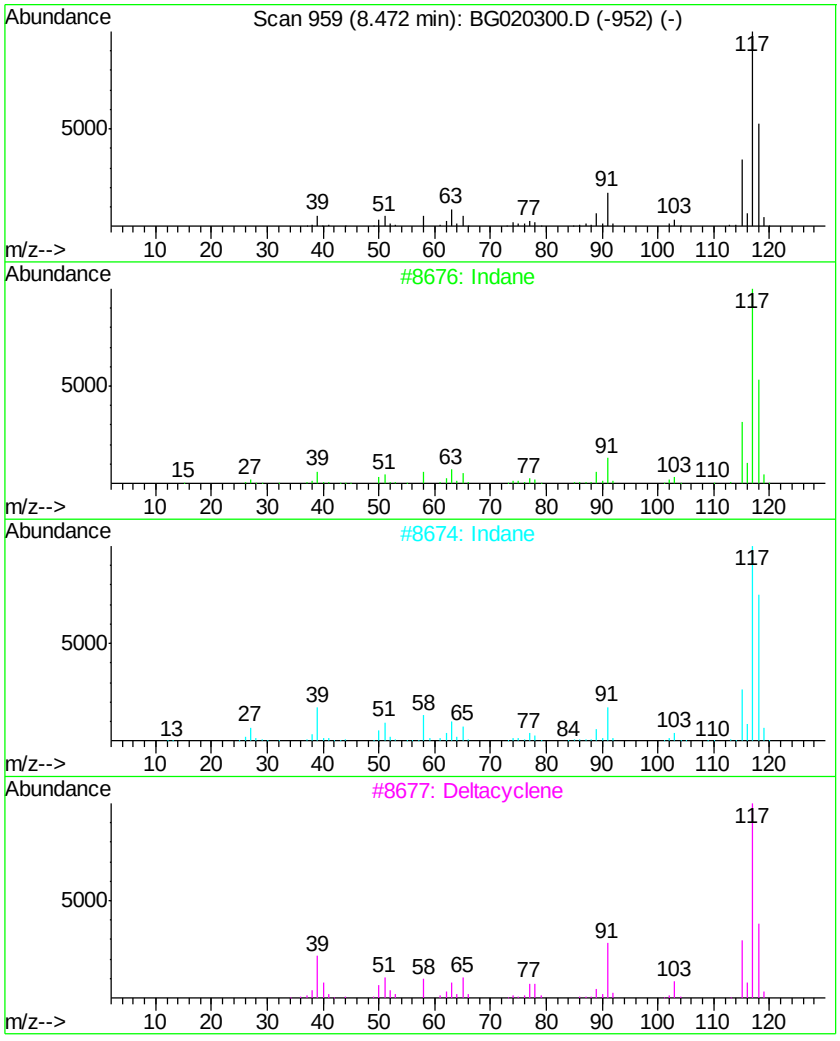
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

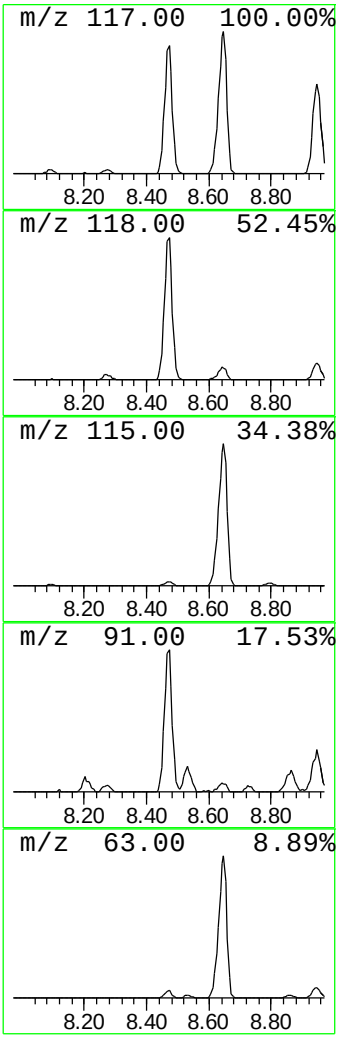
****

Peak Number 4 Indane Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	14.03 ng/ul	366987	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	91
3	Deltacyclene	118	C9H10	007785-10-6	74
4	Indane	118	C9H10	000496-11-7	64
5	Indane	118	C9H10	000496-11-7	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020300.D
Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

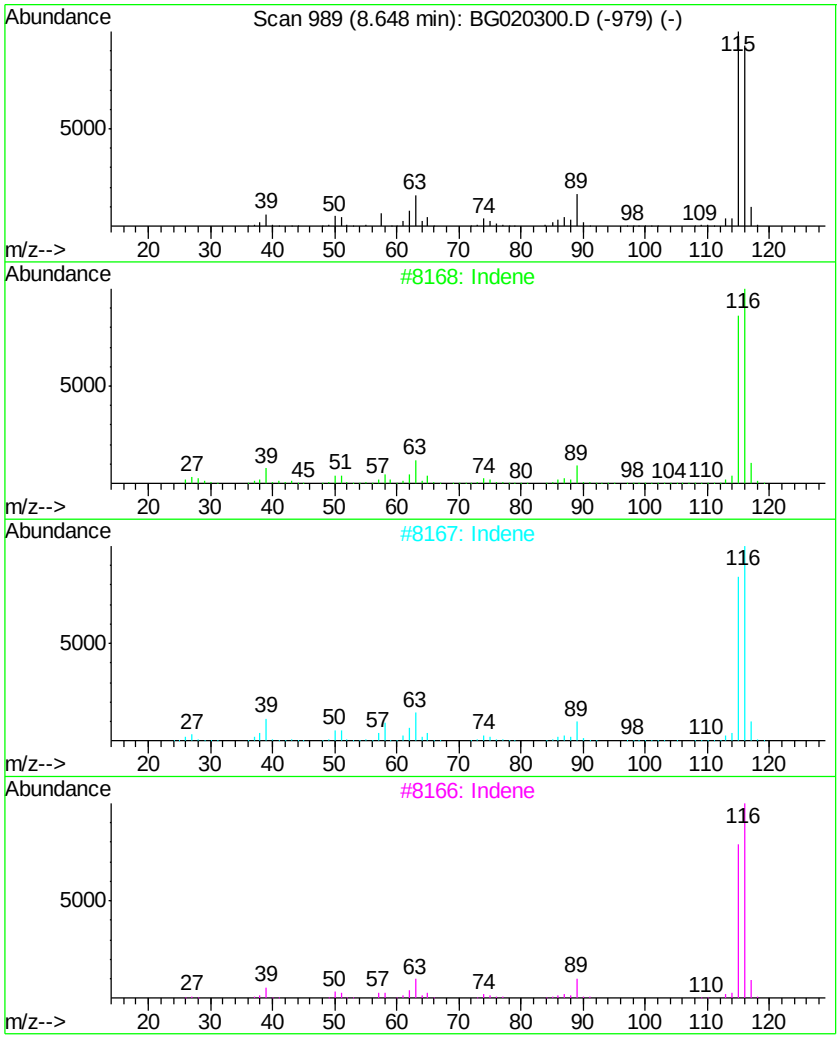
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

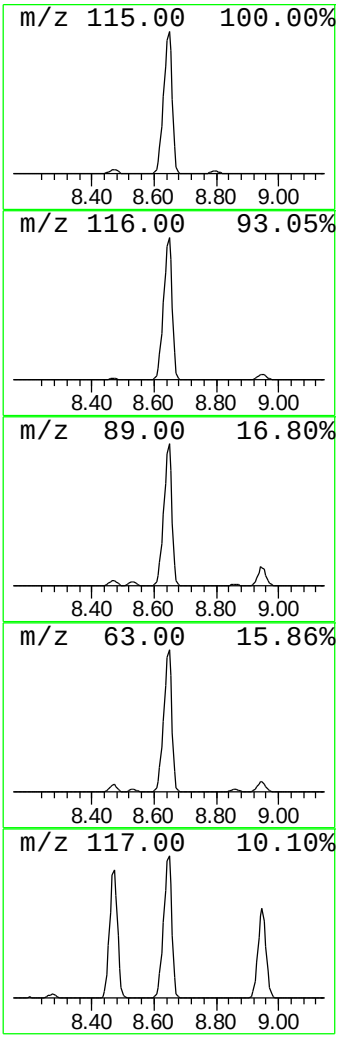
****

Peak Number 5 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	179.25 ng/ul	4688920	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	94
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020300.D
Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

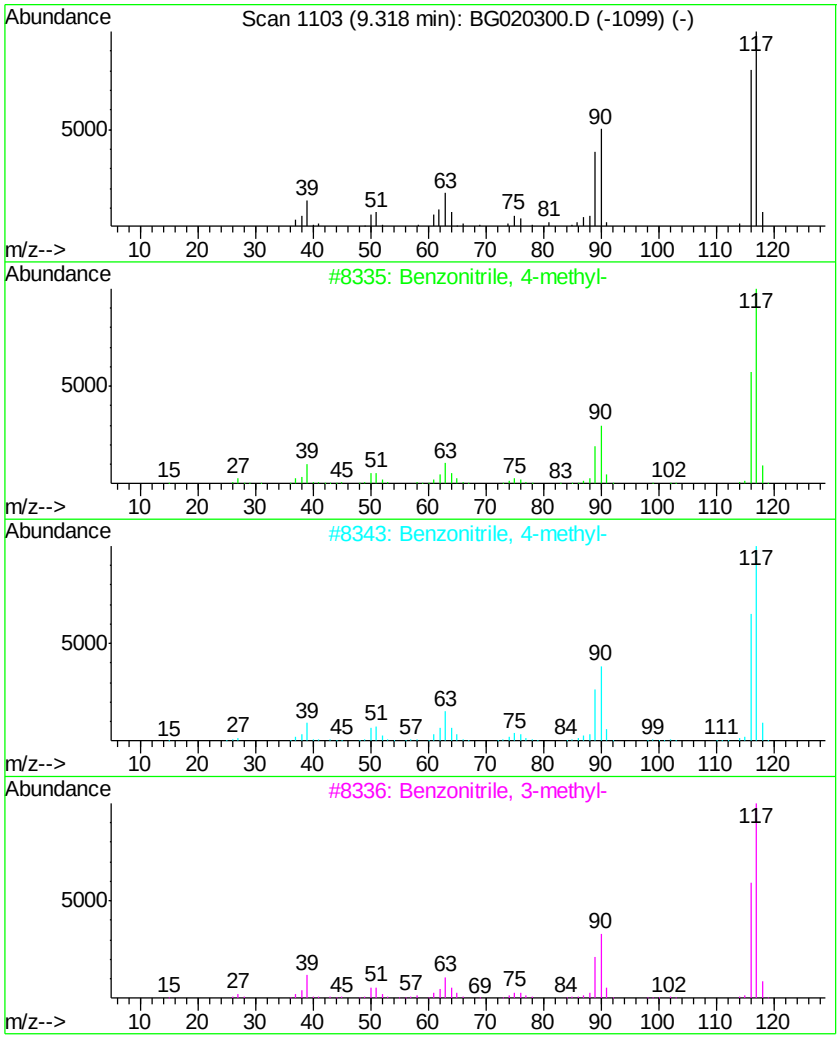
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

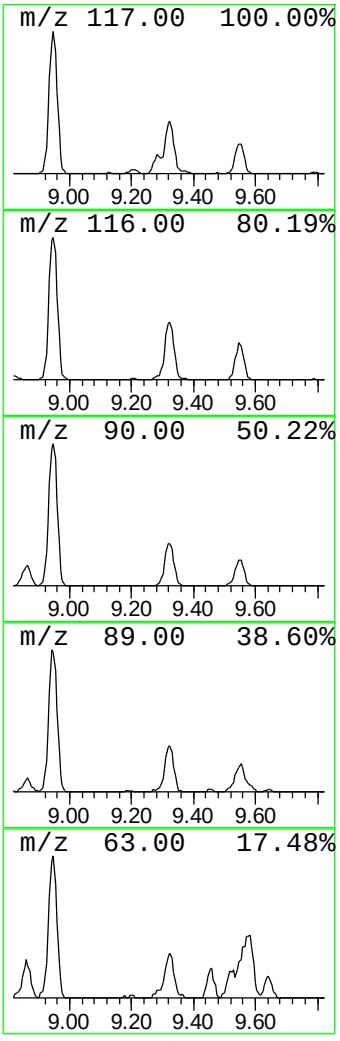
****

Peak Number 6 Benzonitrile, 4-methyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	5.94 ng/ul	155417	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	96
2	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	96
3	Benzonitrile, 3-methyl-	117	C8H7N	000620-22-4	95
4	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	94
5	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020300.D
Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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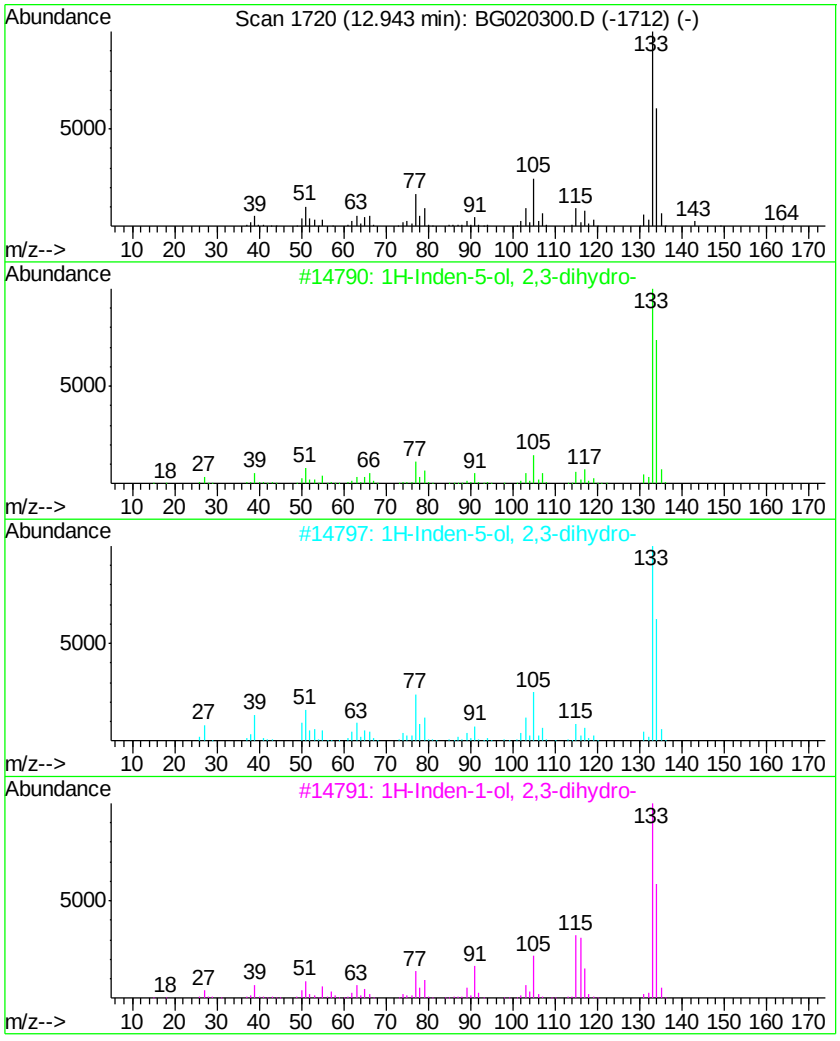
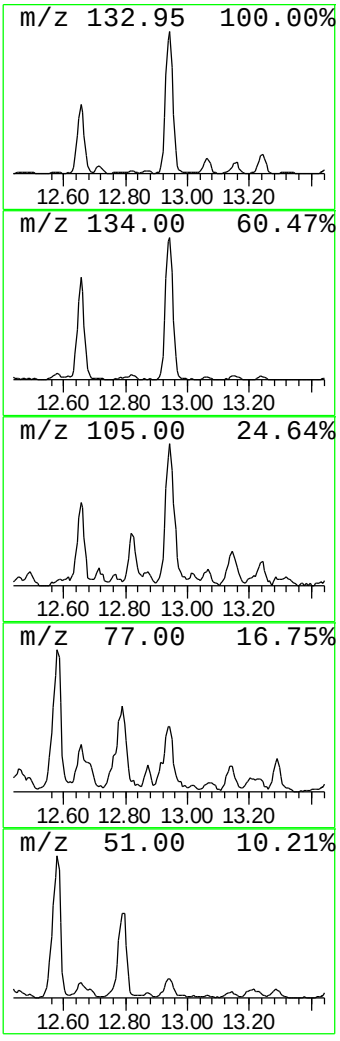
Peak Number 7 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	26.03 ng/ul	386021	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	94
2	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	93
3	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	72
4	Benzaldehyde, 2,4-dimethyl-	134	C9H10O	015764-16-6	64
5	Benzaldehyde, 3,4-dimethyl-	134	C9H10O	005973-71-7	64





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Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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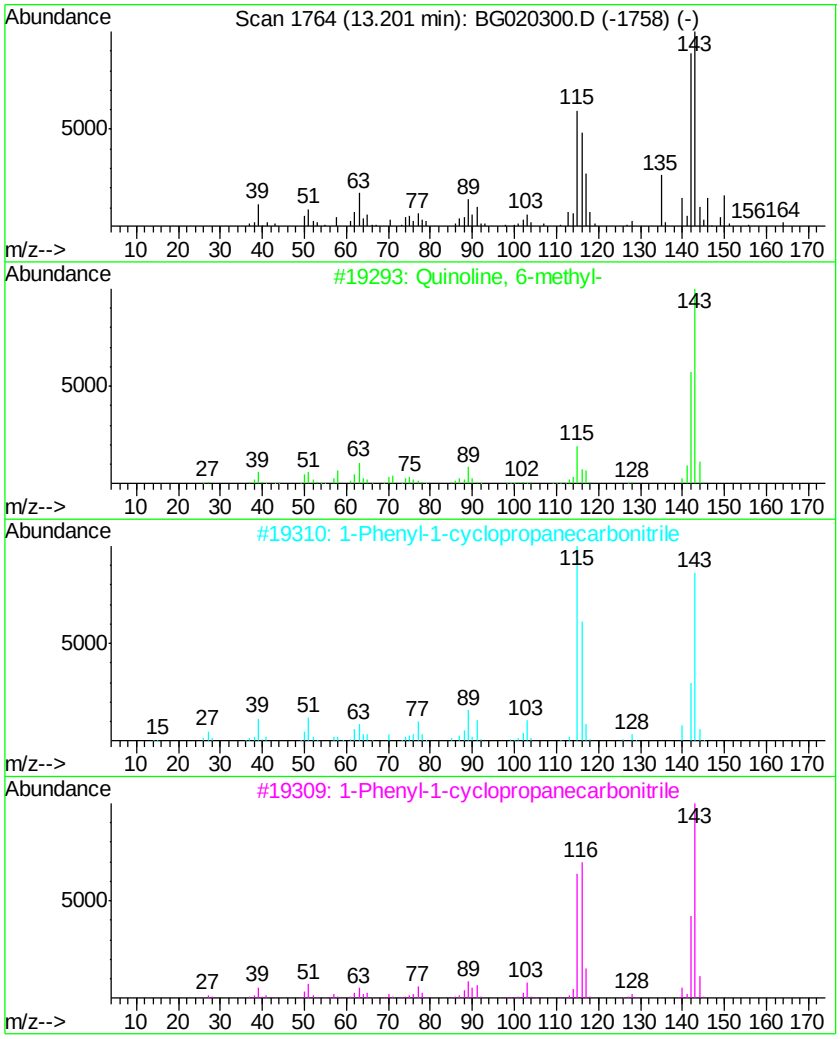
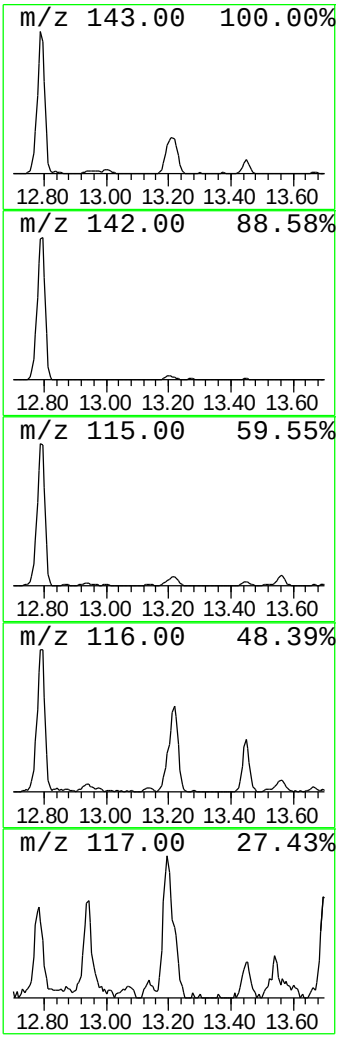
Peak Number 8 Quinoline, 6-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	22.95 ng/ul	340313	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 6-methyl-	143	C10H9N	000091-62-3	72
2	1-Phenyl-1-cyclopropanecarbonitrile	143	C10H9N	000935-44-4	64
3	1-Phenyl-1-cyclopropanecarbonitrile	143	C10H9N	000935-44-4	64
4	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	60
5	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	52





Library Search Compound Report

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Operator : UM/SJ
Sample : G4768-20
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Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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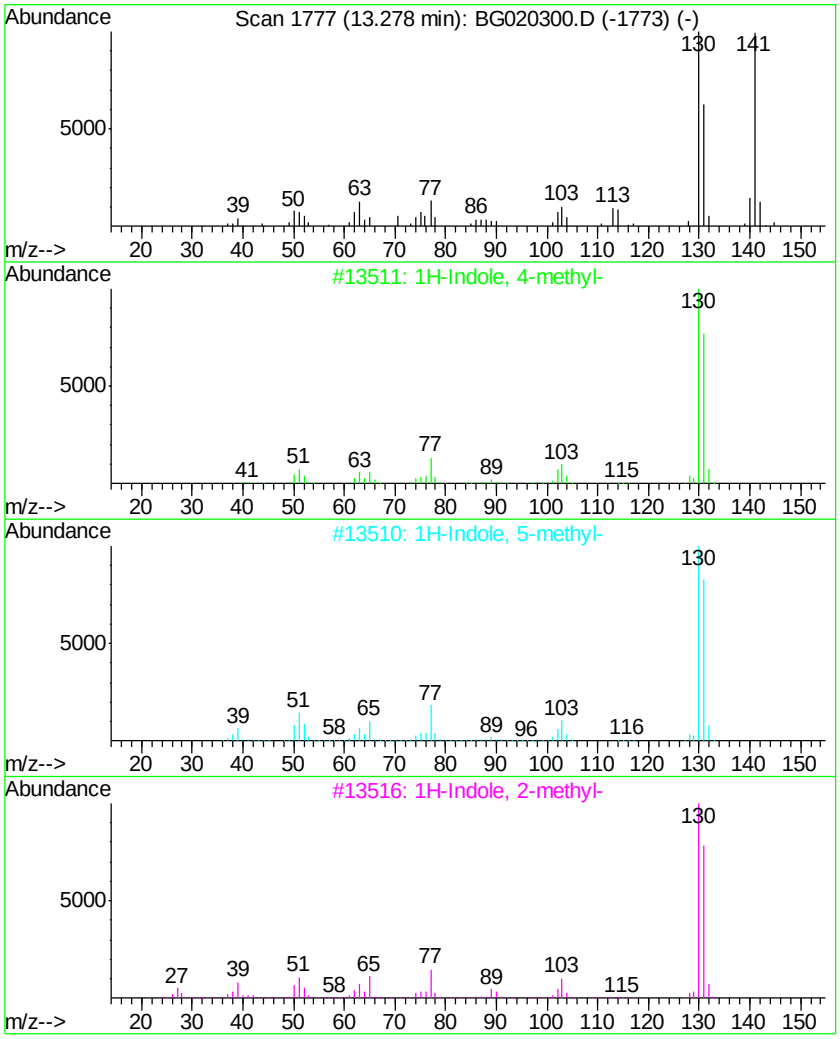
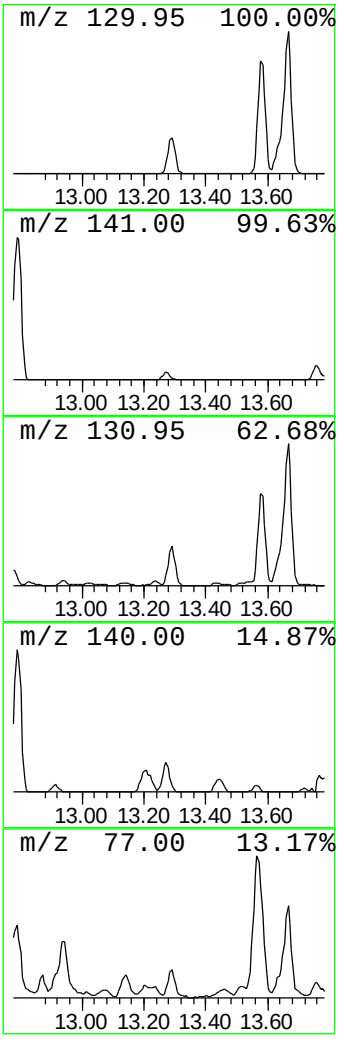
Peak Number 9 1H-Indole, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	13.14 ng/ul	194849	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 4-methyl-	131	C9H9N	016096-32-5	95
2	1H-Indole, 5-methyl-	131	C9H9N	000614-96-0	90
3	1H-Indole, 2-methyl-	131	C9H9N	000095-20-5	90
4	1H-Indole, 3-methyl-	131	C9H9N	000083-34-1	81
5	1H-Indole, 6-methyl-	131	C9H9N	003420-02-8	81





Library Search Compound Report

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Data File : BG020300.D
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Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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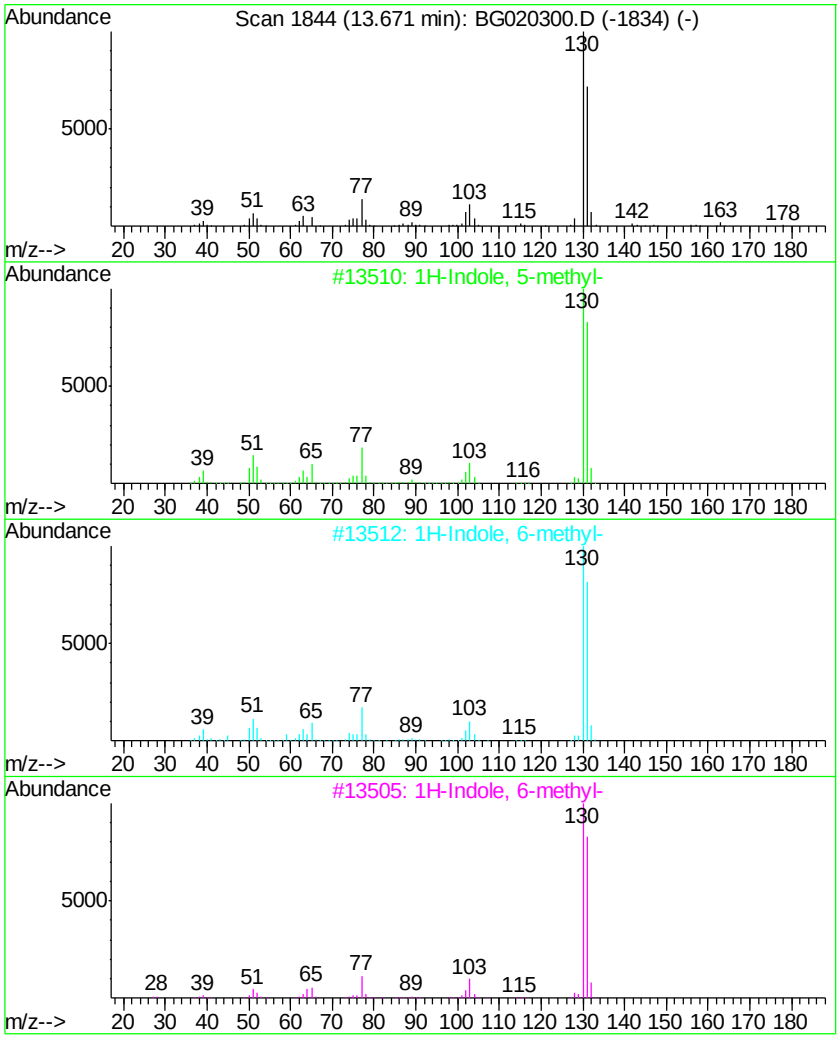
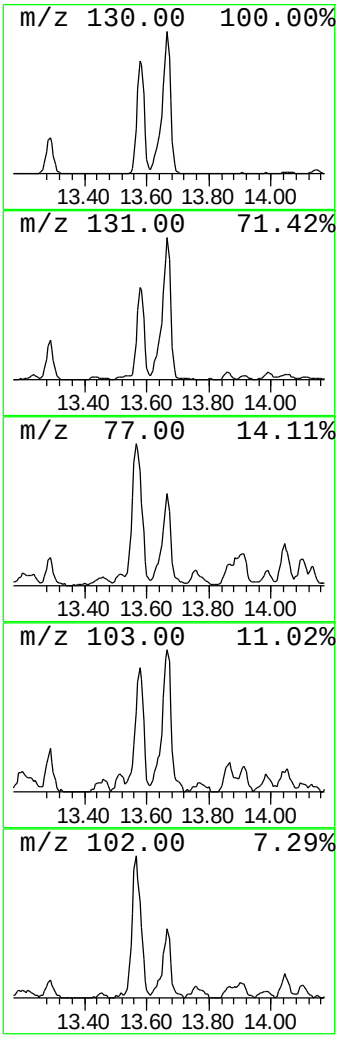
Peak Number 10 1H-Indole, 5-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	36.62 ng/ul	543048	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 5-methyl-	131	C9H9N	000614-96-0	91
2	1H-Indole, 6-methyl-	131	C9H9N	003420-02-8	91
3	1H-Indole, 6-methyl-	131	C9H9N	003420-02-8	91
4	1H-Indole, 4-methyl-	131	C9H9N	016096-32-5	91
5	1H-Indole, 3-methyl-	131	C9H9N	000083-34-1	91





Library Search Compound Report

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Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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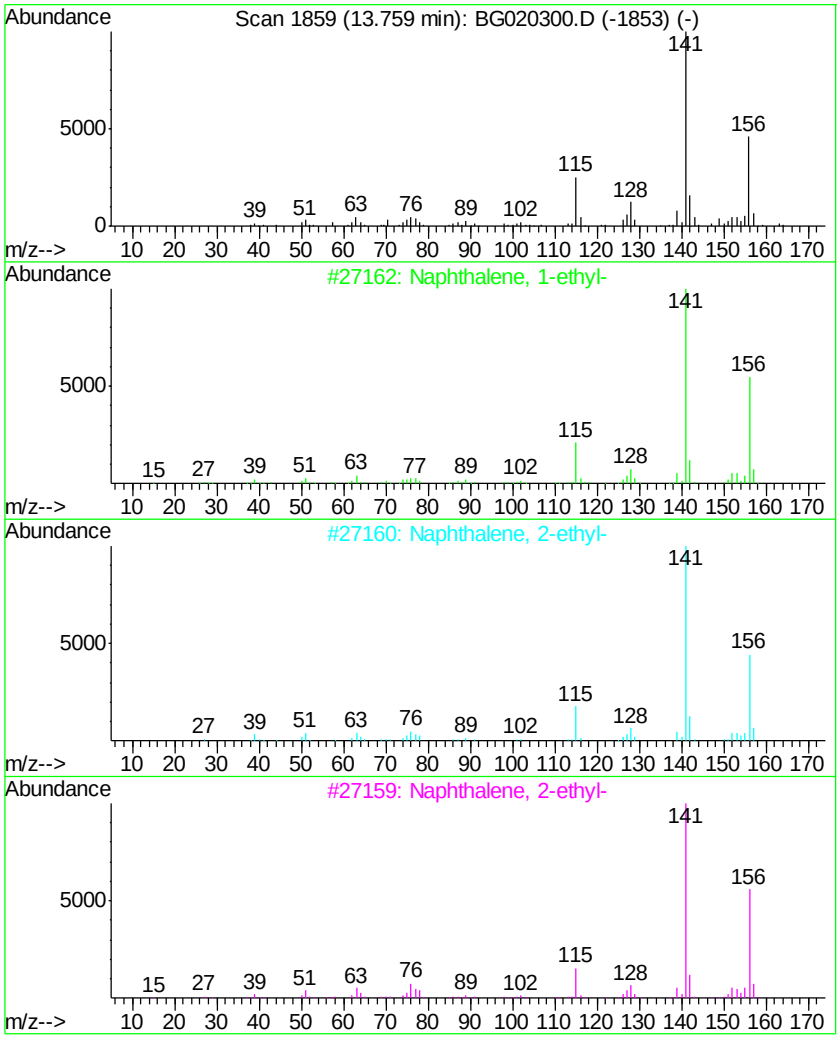
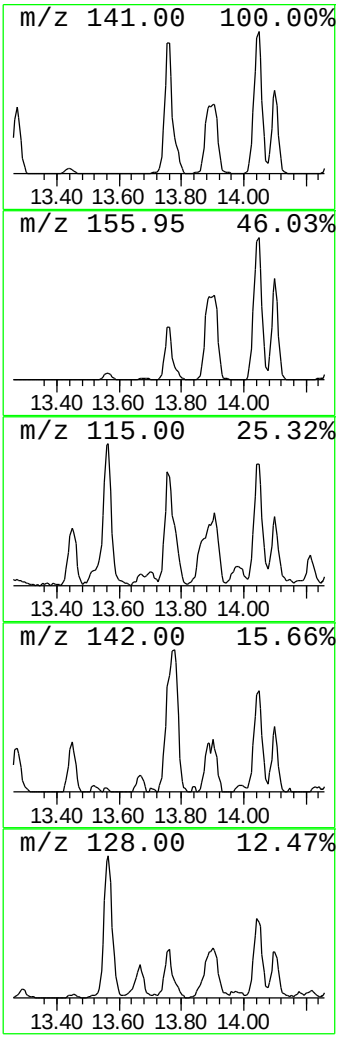
Peak Number 11 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	24.25 ng/ul	359659	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91





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Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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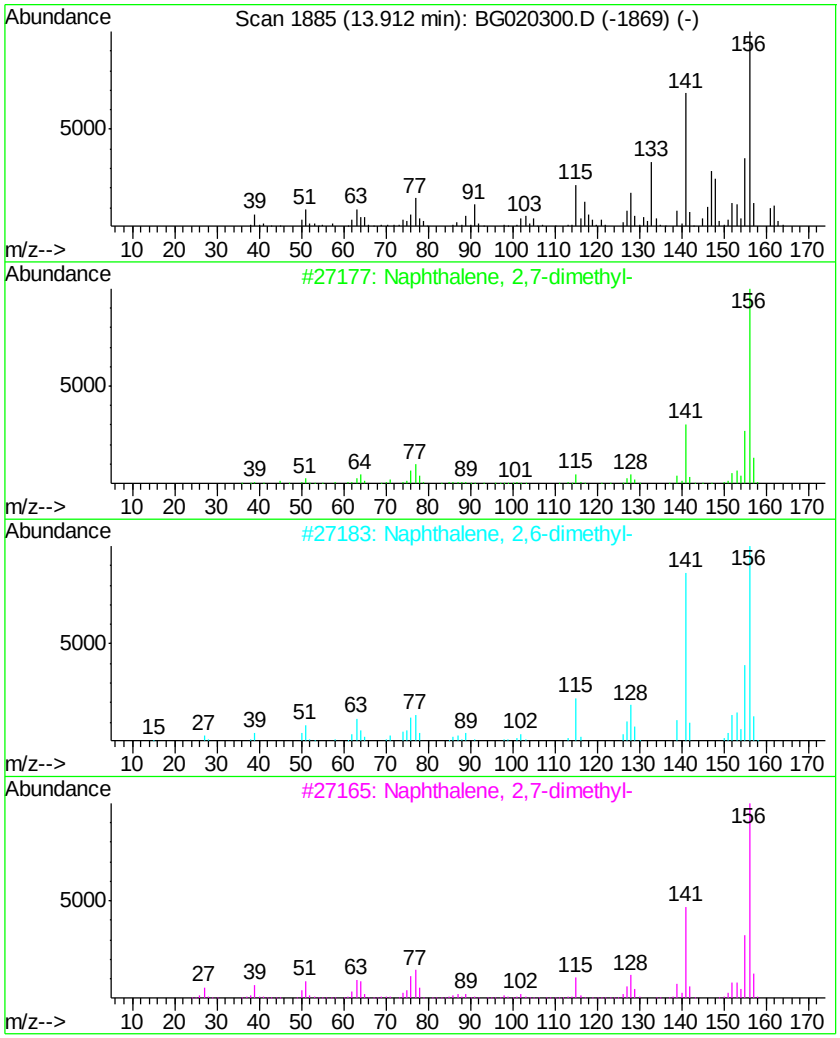
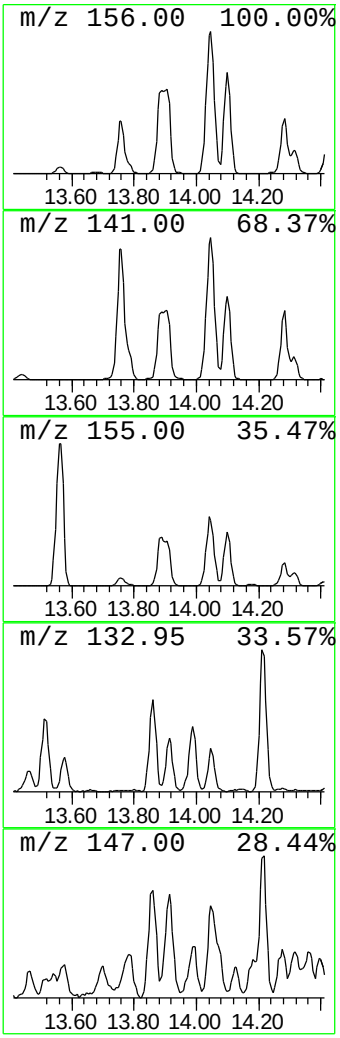
Peak Number 12 Naphthalene, 2,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	48.54 ng/ul	719749	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





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Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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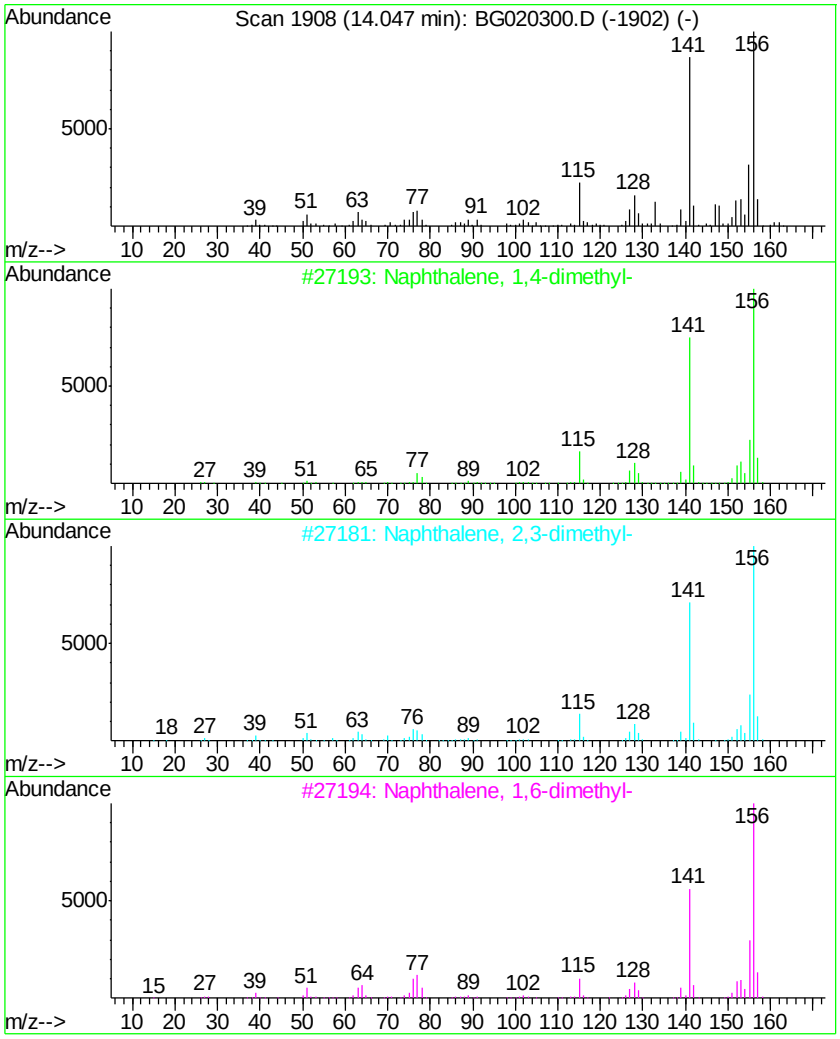
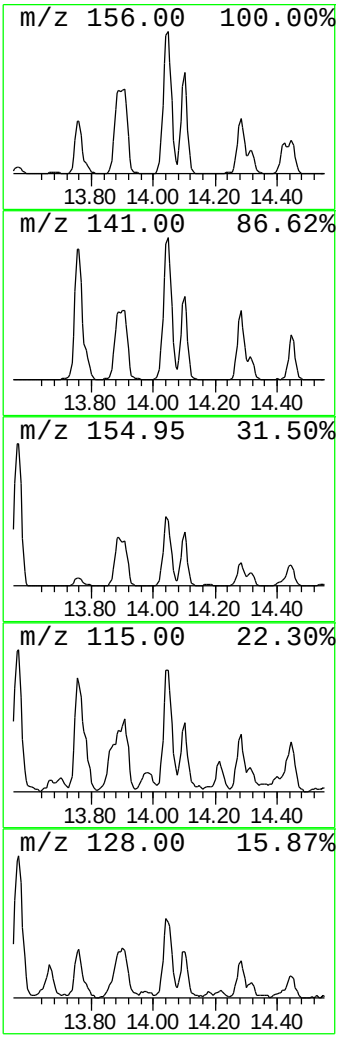
Peak Number 13 Naphthalene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	37.80 ng/ul	560582	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Sample : G4768-20
Misc :
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Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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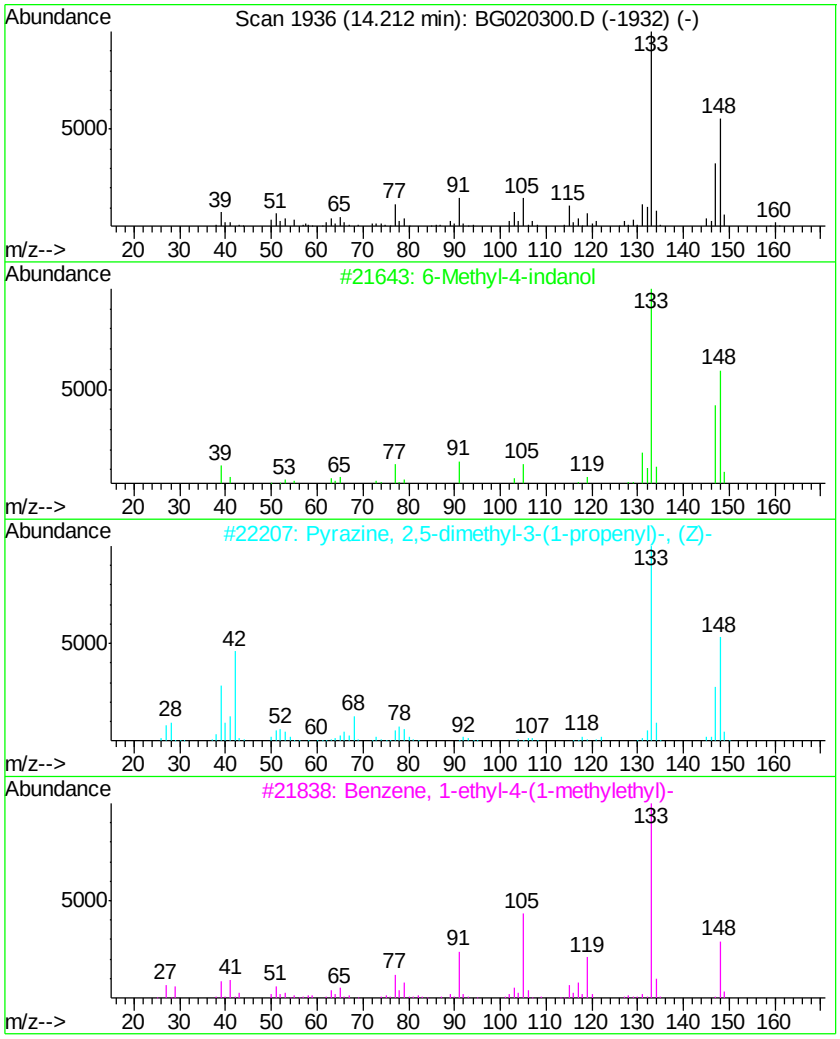
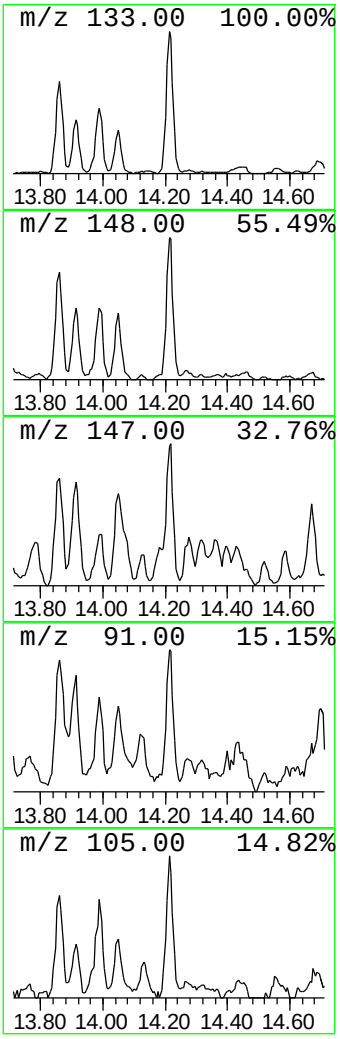
Peak Number 14 6-Methyl-4-indanol Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	11.17 ng/ul	165605	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-4-indanol	148	C10H12O	020294-32-0	93
2	Pyrazine, 2,5-dimethyl-3-(1-prop...	148	C9H12N2	055138-73-3	86
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	76
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64





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Sample : G4768-20
Misc :
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Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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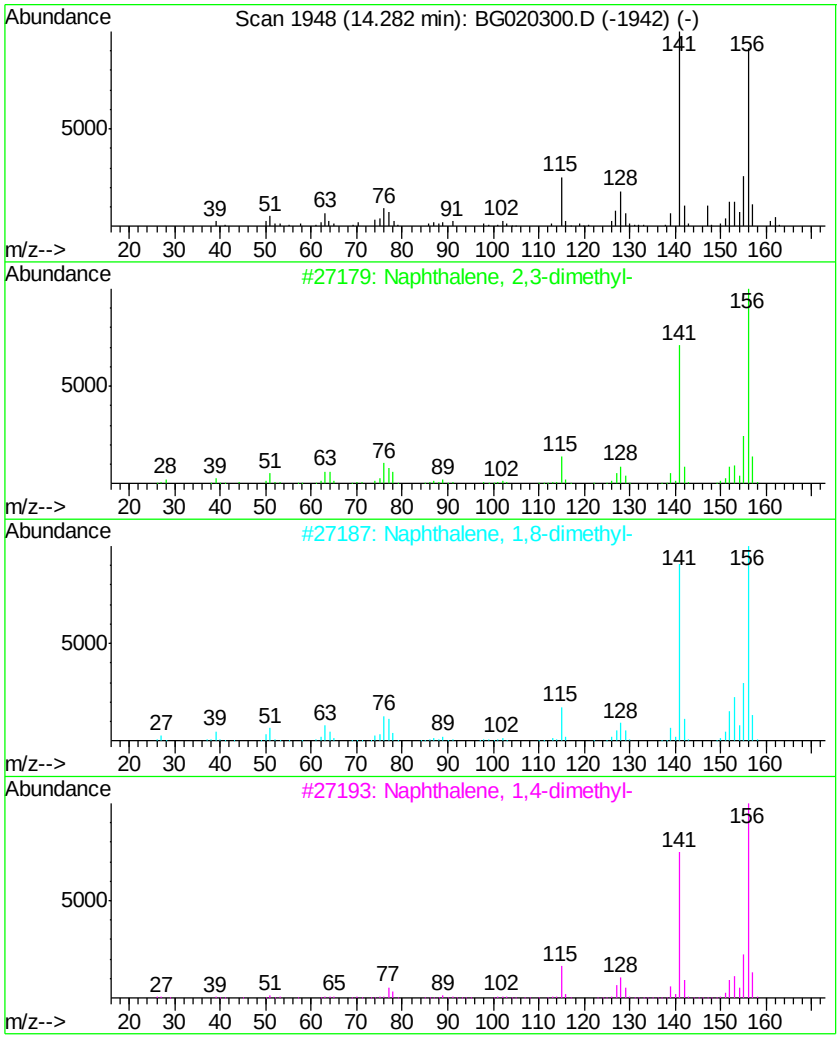
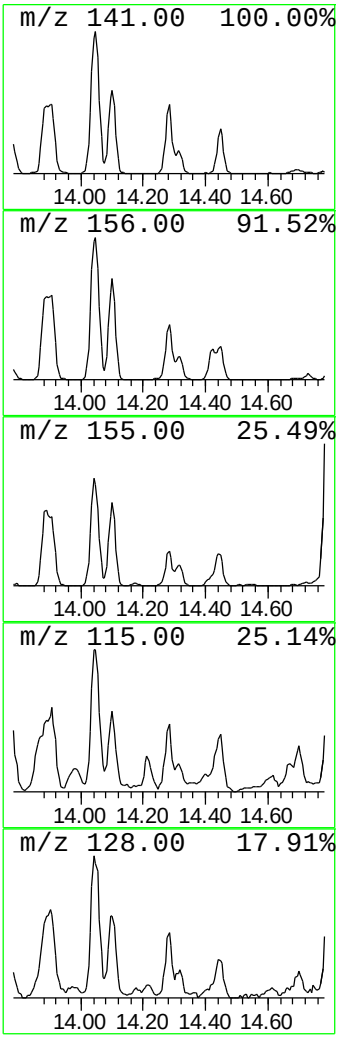
Peak Number 15 Naphthalene, 2,3-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	11.91 ng/ul	176555	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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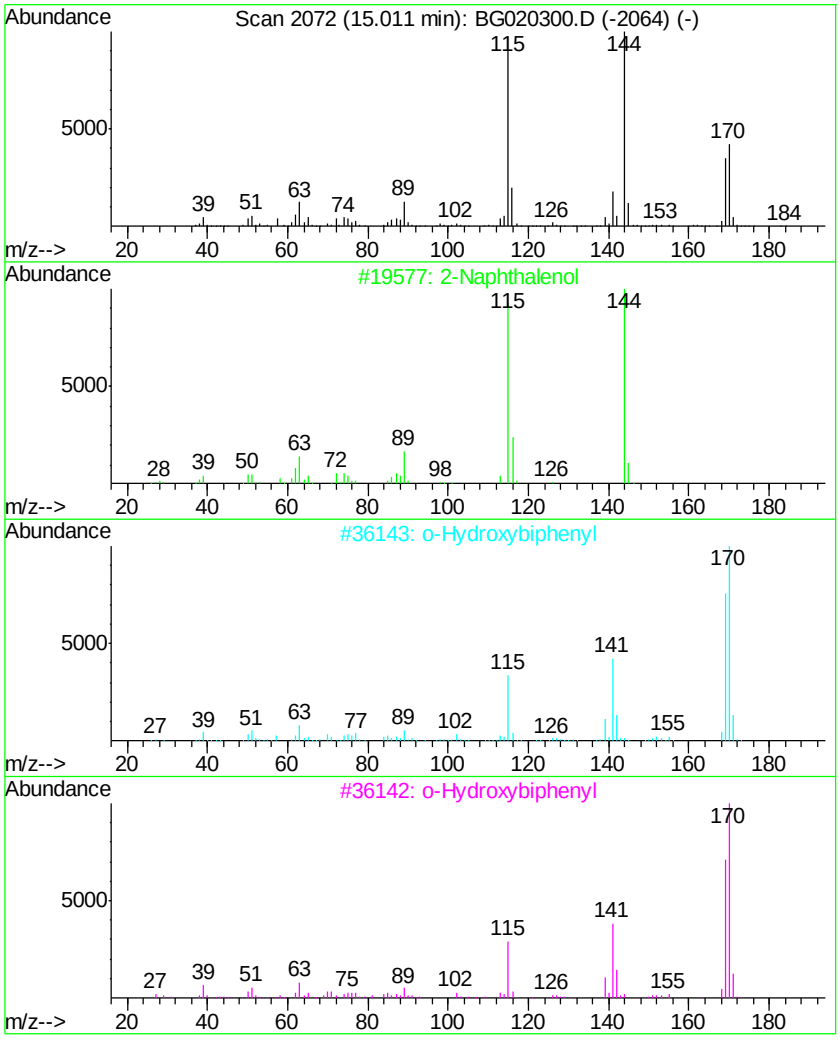
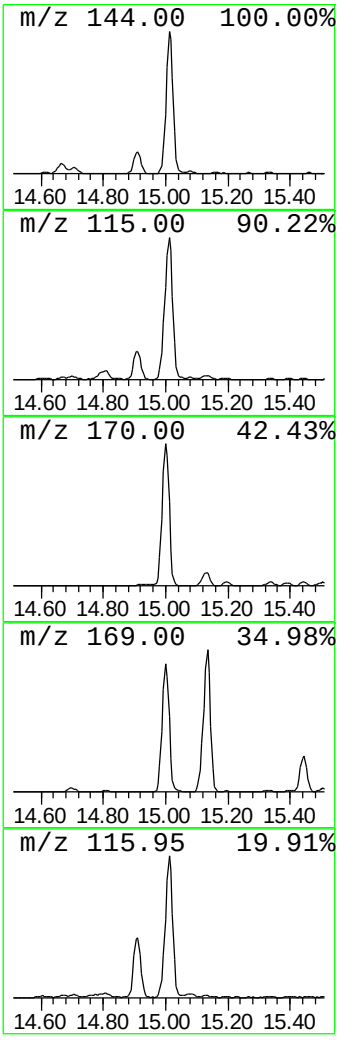
Peak Number 16 2-Naphthalenol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	134.02 ng/ul	1987430	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol	144	C10H8O	000135-19-3	95
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	86
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	50
4	Benzofuran, 2-ethenyl-	144	C10H8O	007522-79-4	50
5	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	50





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Sample : G4768-20
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ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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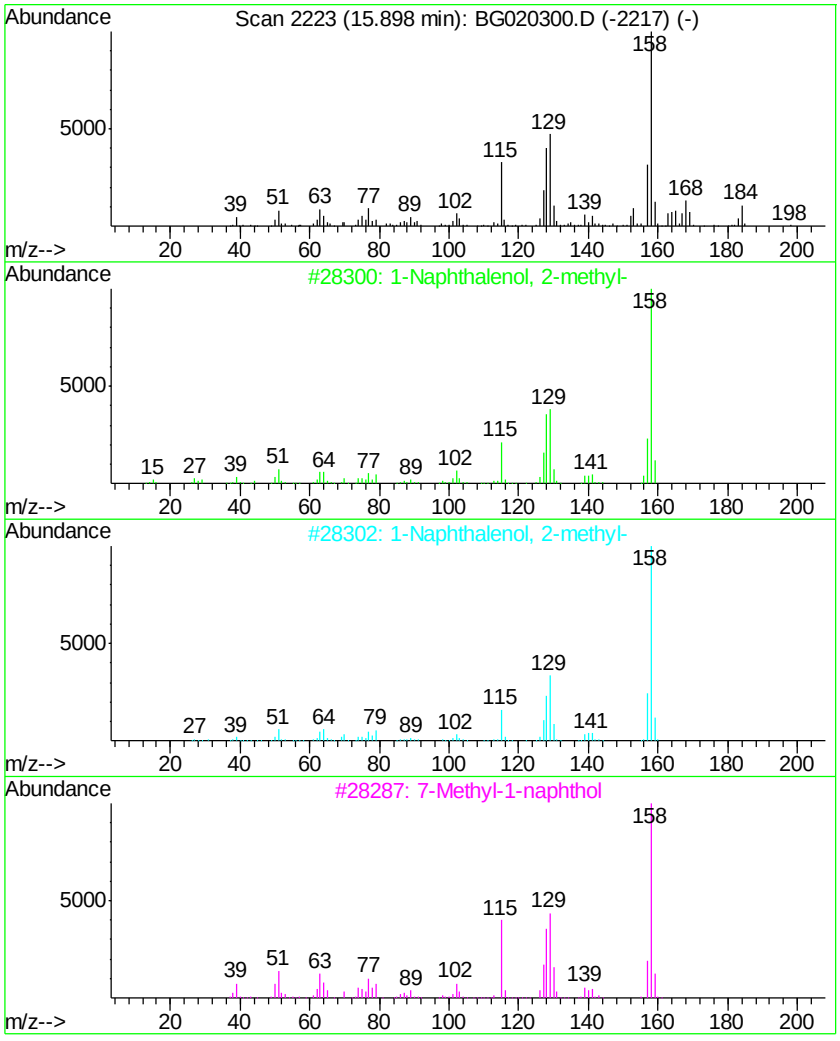
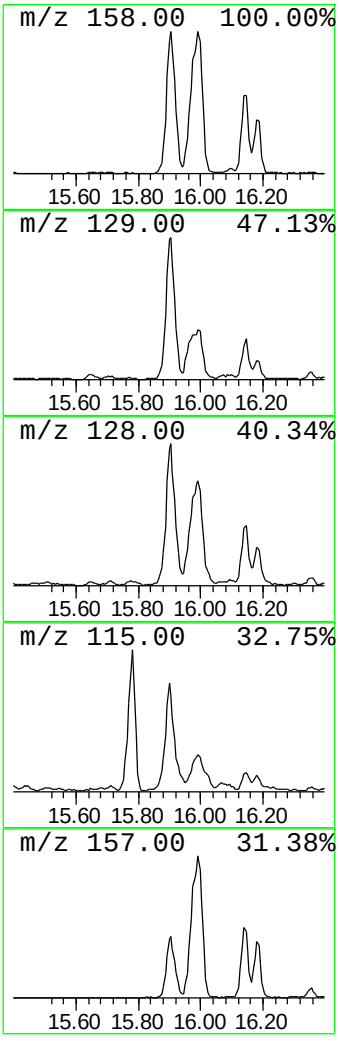
Peak Number 17 1-Naphthalenol, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	55.51 ng/ul	823087	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	91
2	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	87
3	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	81
4	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	64
5	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	58





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Data File : BG020300.D
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Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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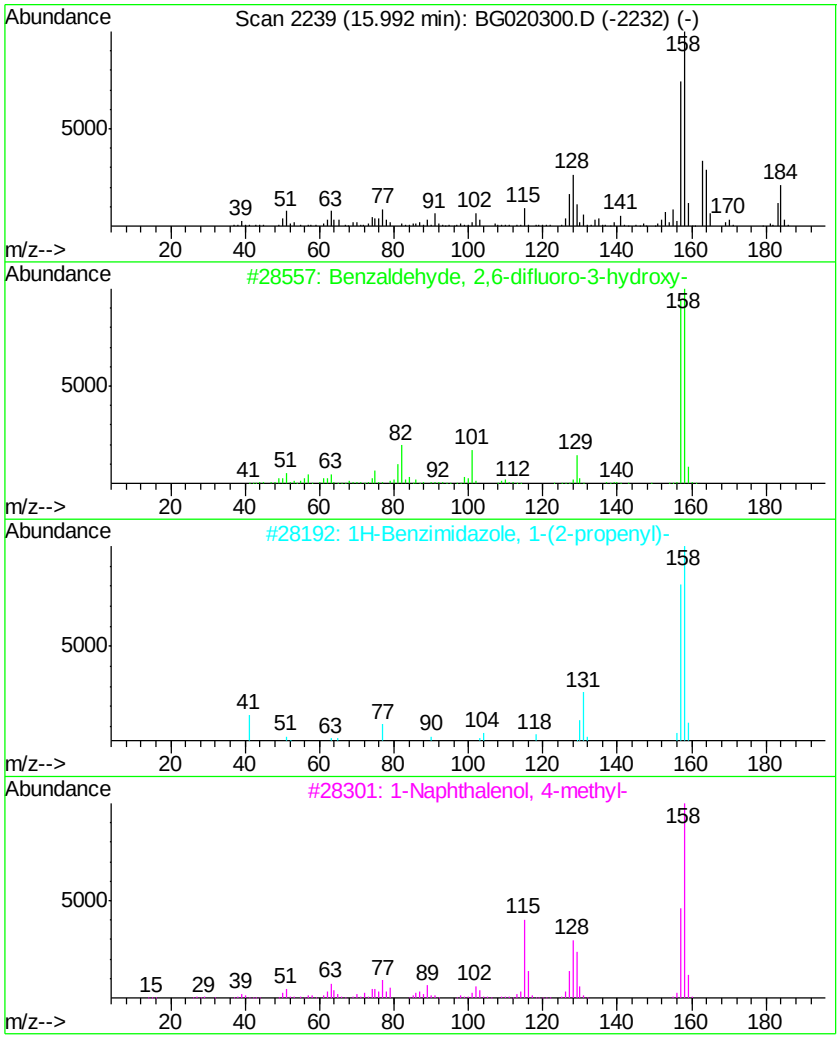
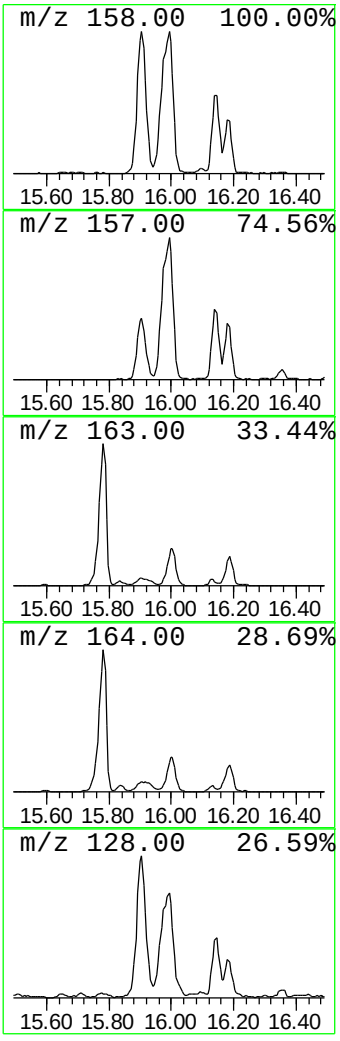
Peak Number 18 Benzaldehyde, 2,6-difluoro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	64.11 ng/ul	950663	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2,6-difluoro-3-hyd...	158	C7H4F2O2	152434-88-3	50
2	1H-Benzimidazole, 1-(2-propenyl)-	158	C10H10N2	019018-22-5	47
3	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	43
4	Benzene, 1,3-bis(1-methylethenyl)-	158	C12H14	003748-13-8	38
5	1H-Pyrazole, 3-methyl-5-phenyl-	158	C10H10N2	003347-62-4	35





Library Search Compound Report

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Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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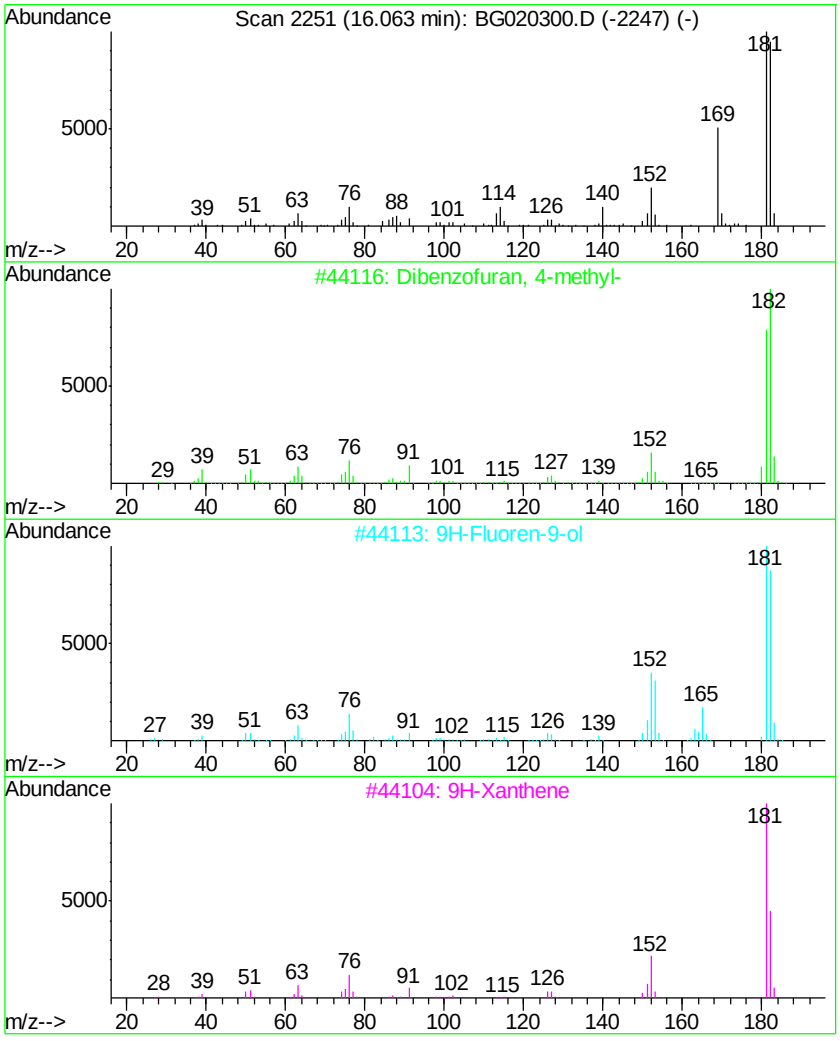
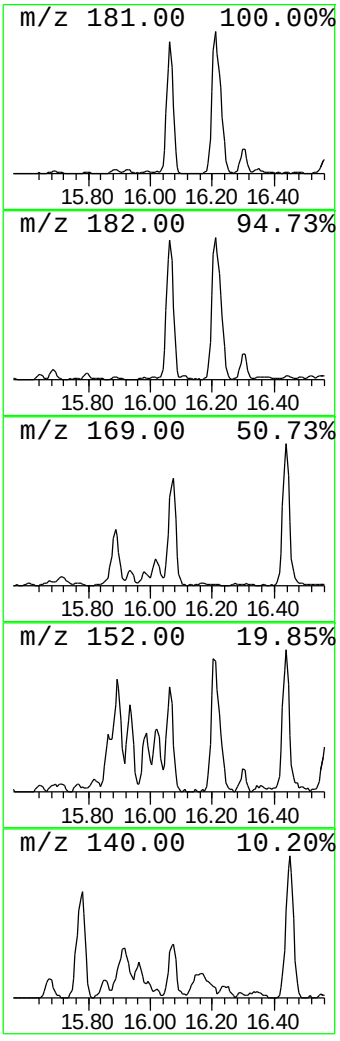
Peak Number 19 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	15.38 ng/ul	228022	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	43
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	40
3	9H-Xanthene	182	C13H10O	000092-83-1	38
4	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	38
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	38





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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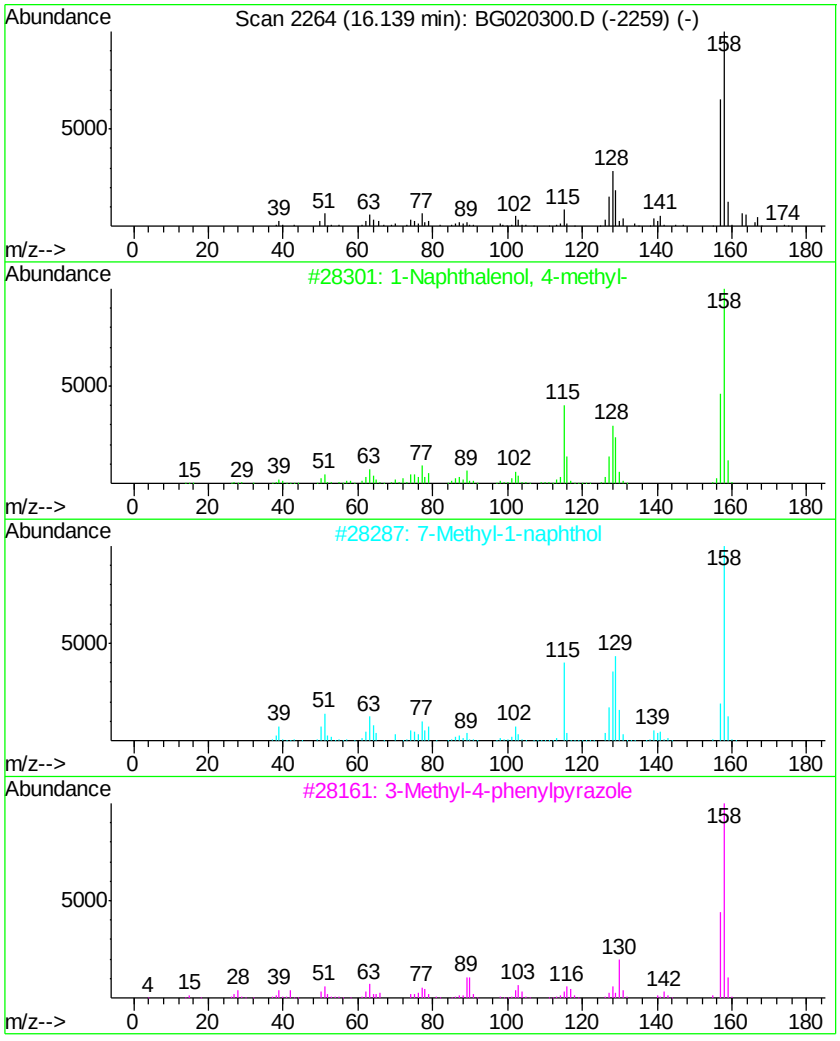
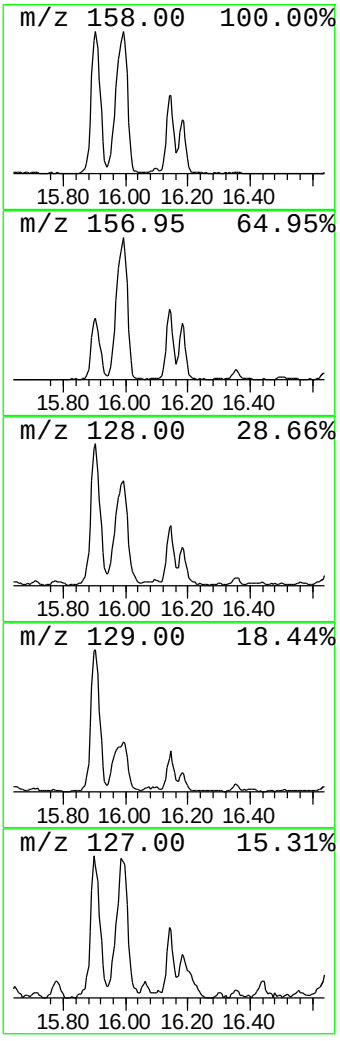
Peak Number 20 1-Naphthalenol, 4-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	7.84 ng/ul	235803	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	64
2	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	62
3	3-Methyl-4-phenylpyrazole	158	C10H10N2	013788-84-6	53
4	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	50
5	6-Quinolinamine, 2-methyl-	158	C10H10N2	065079-19-8	46





Library Search Compound Report

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Sample : G4768-20
Misc :
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ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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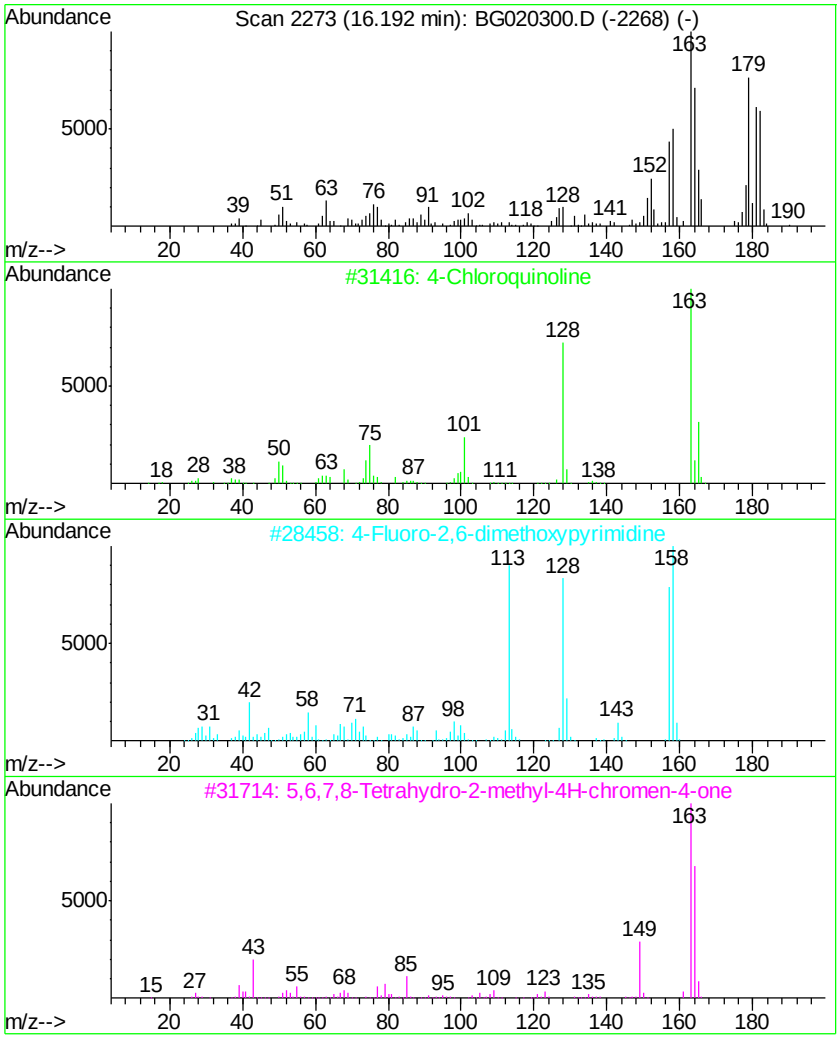
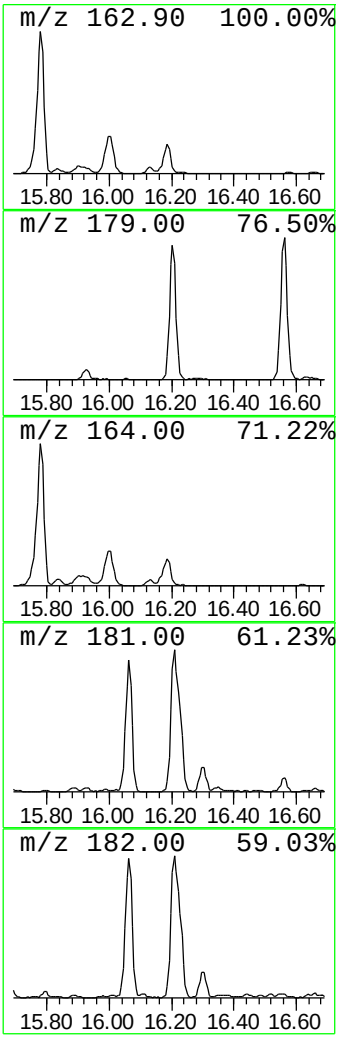
Peak Number 21 unknown-02 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	5.75 ng/ul	173043	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloroquinoline	163	C9H6ClN	000611-35-8	27
2	4-Fluoro-2,6-dimethoxypyrimidine	158	C6H7FN2O2	000658-87-7	27
3	5,6,7,8-Tetrahydro-2-methyl-4H-c...	164	C10H12O2	014713-89-4	25
4	1-(2-Aminophenyl)pyrrole	158	C10H10N2	006025-60-1	25
5	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	25





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ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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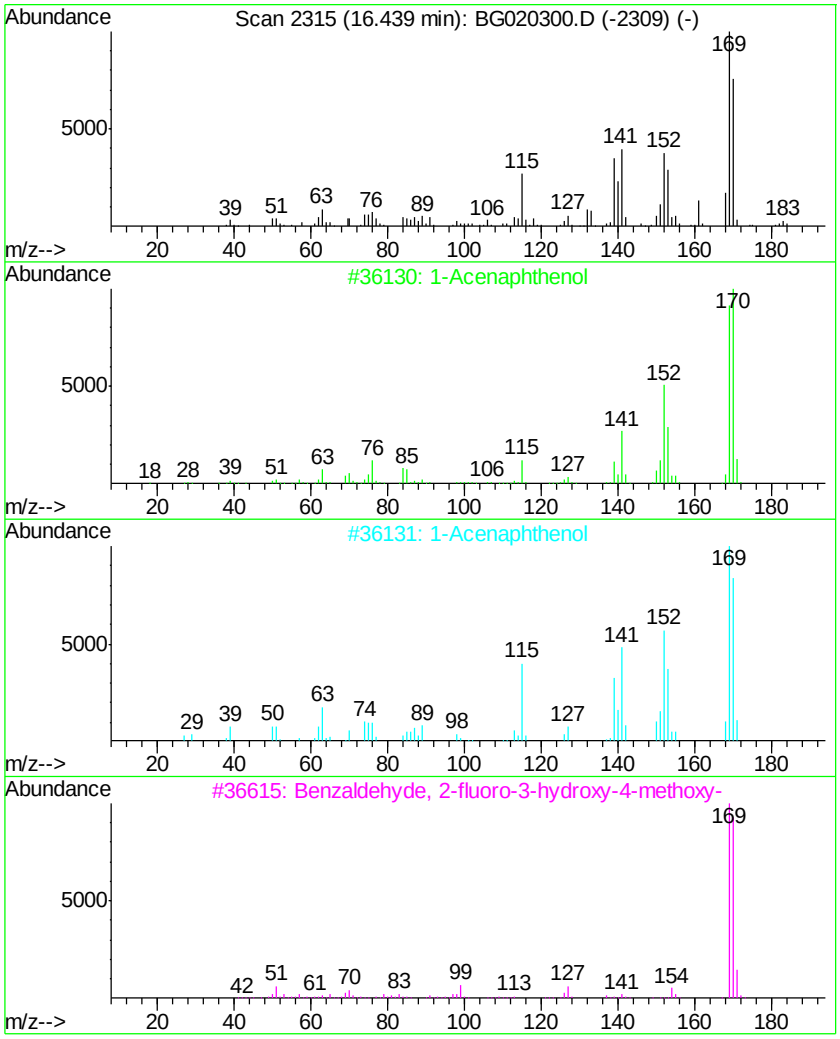
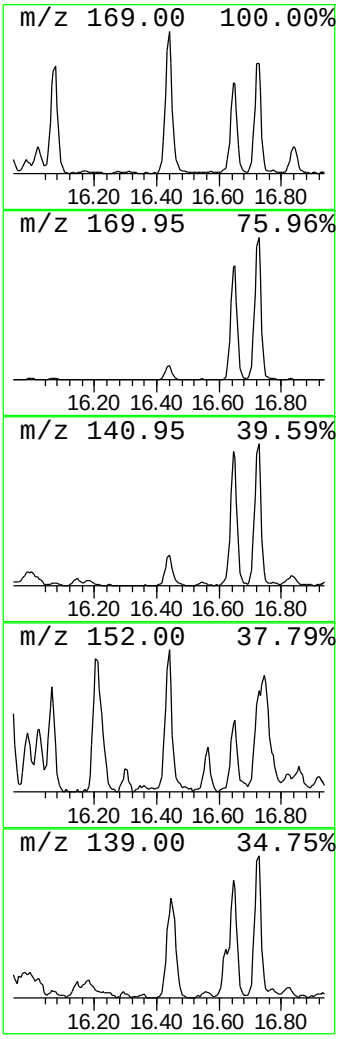
Peak Number 22 unknown-03 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	10.98 ng/ul	330213	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthenol	170	C12H10O	006306-07-6	46
2	1-Acenaphthenol	170	C12H10O	006306-07-6	43
3	Benzaldehyde, 2-fluoro-3-hydroxy...	170	C8H7FO3	079418-73-8	43
4	[1,1'-Biphenyl]-3-amine	169	C12H11N	002243-47-2	38
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	38





Library Search Compound Report

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ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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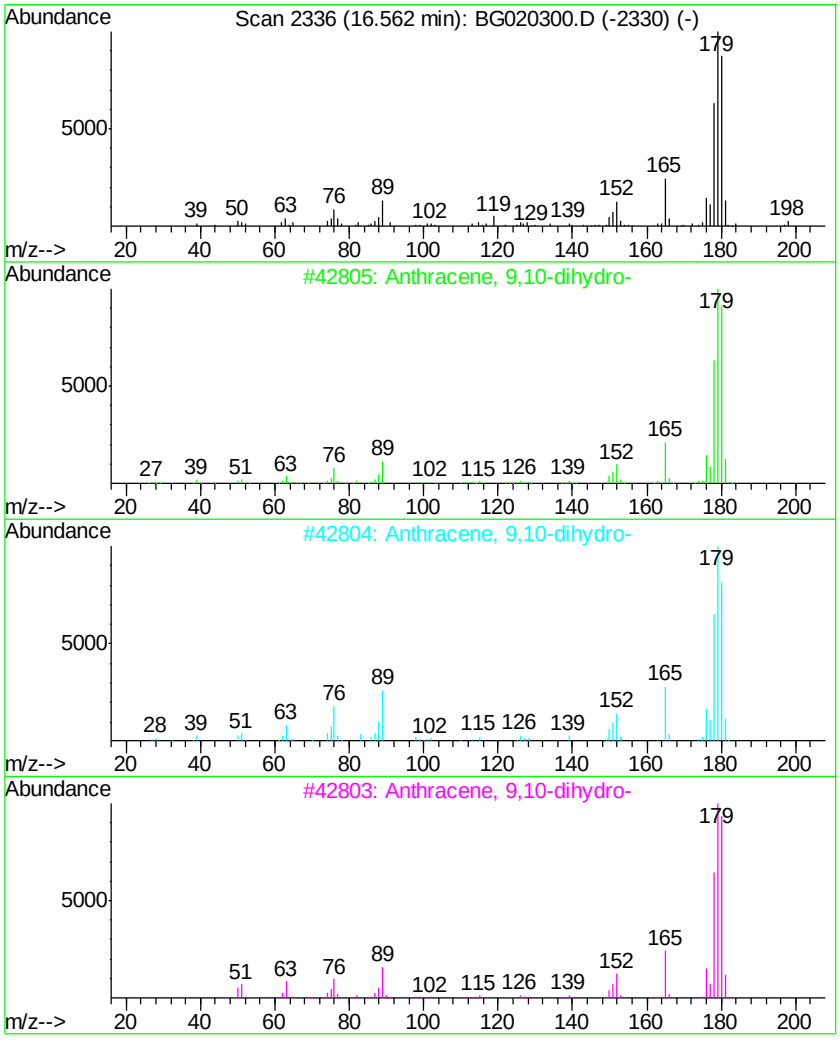
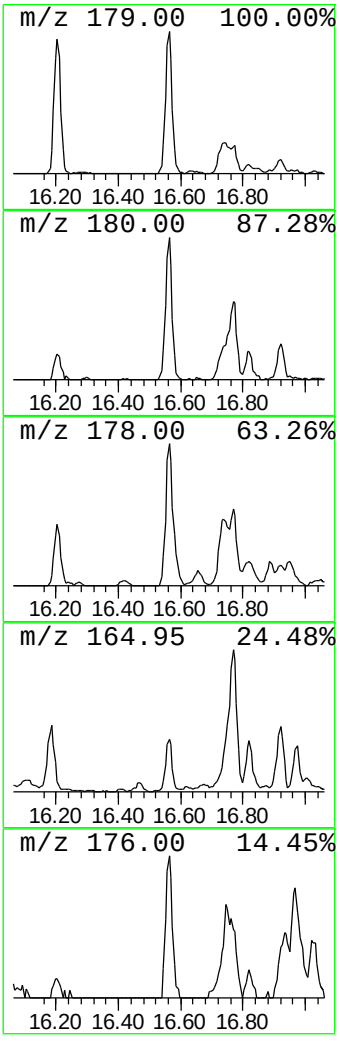
Peak Number 23 Anthracene, 9,10-dihydro- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	6.14 ng/ul	184576	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91
5	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	91





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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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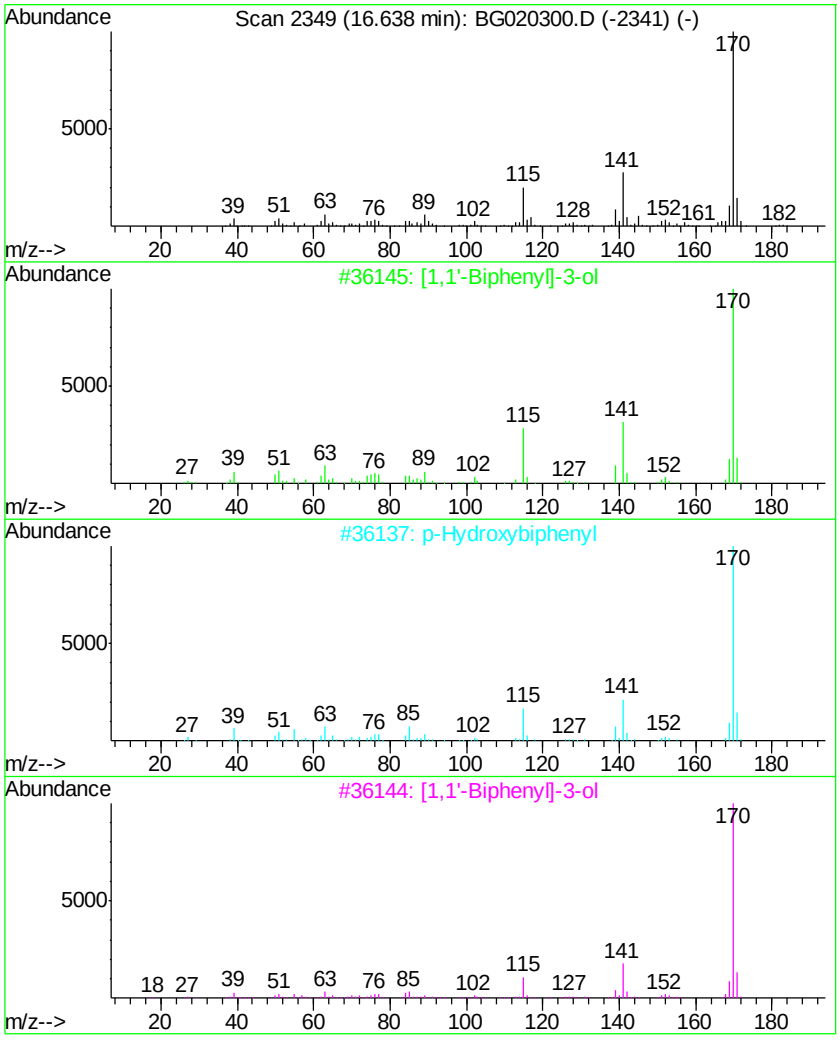
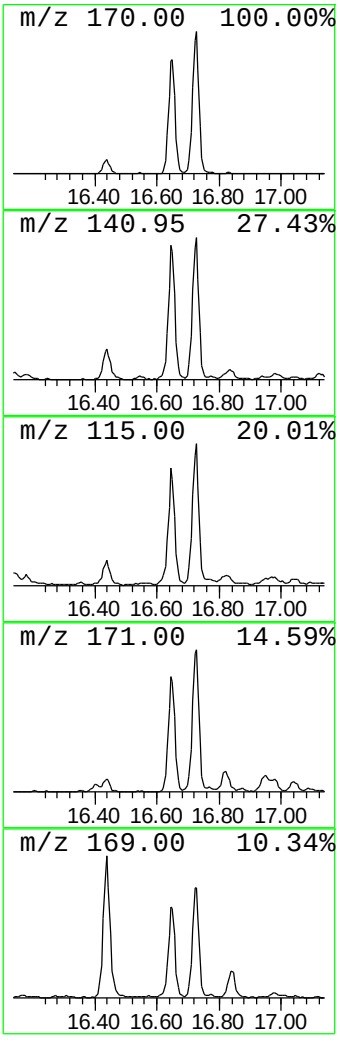
Peak Number 24 [1,1'-Biphenyl]-3-ol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	28.76 ng/ul	865393	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	96
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
3	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	94
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	91
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	91





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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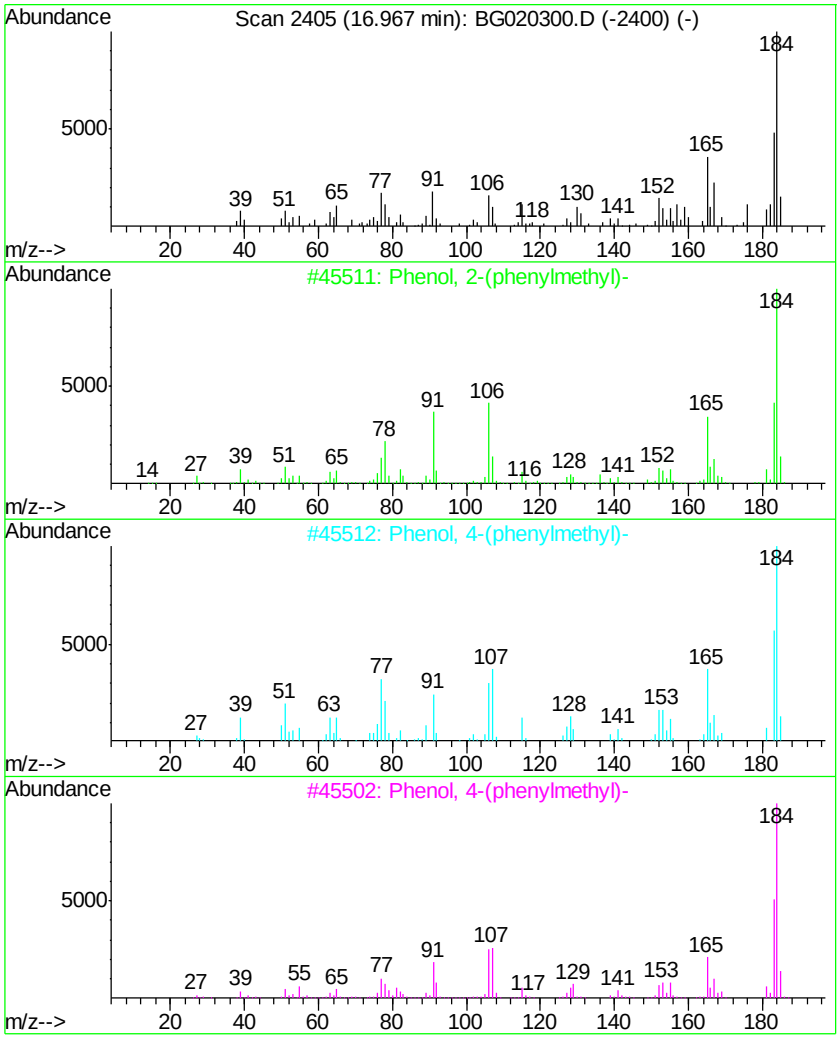
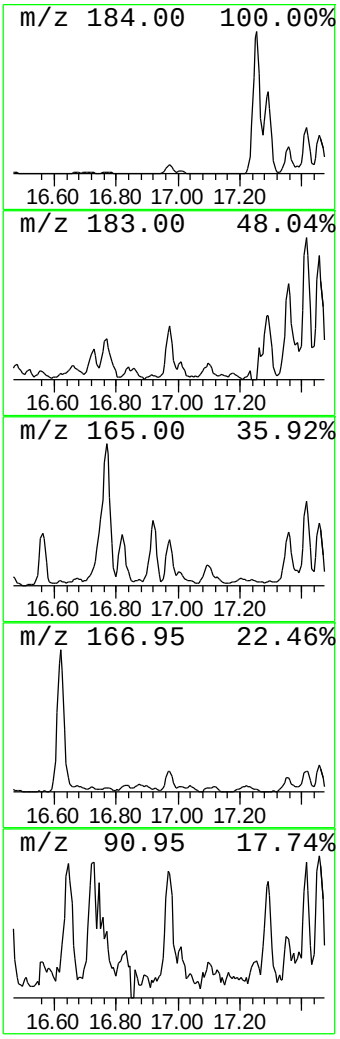
Peak Number 26 Phenol, 2-(phenylmethyl)- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	8.57 ng/ul	257934	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(phenylmethyl)-	184	C13H12O	028994-41-4	83
2	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	83
3	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	64
4	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	64
5	Phenol, 2-(phenylmethyl)-	184	C13H12O	028994-41-4	60





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Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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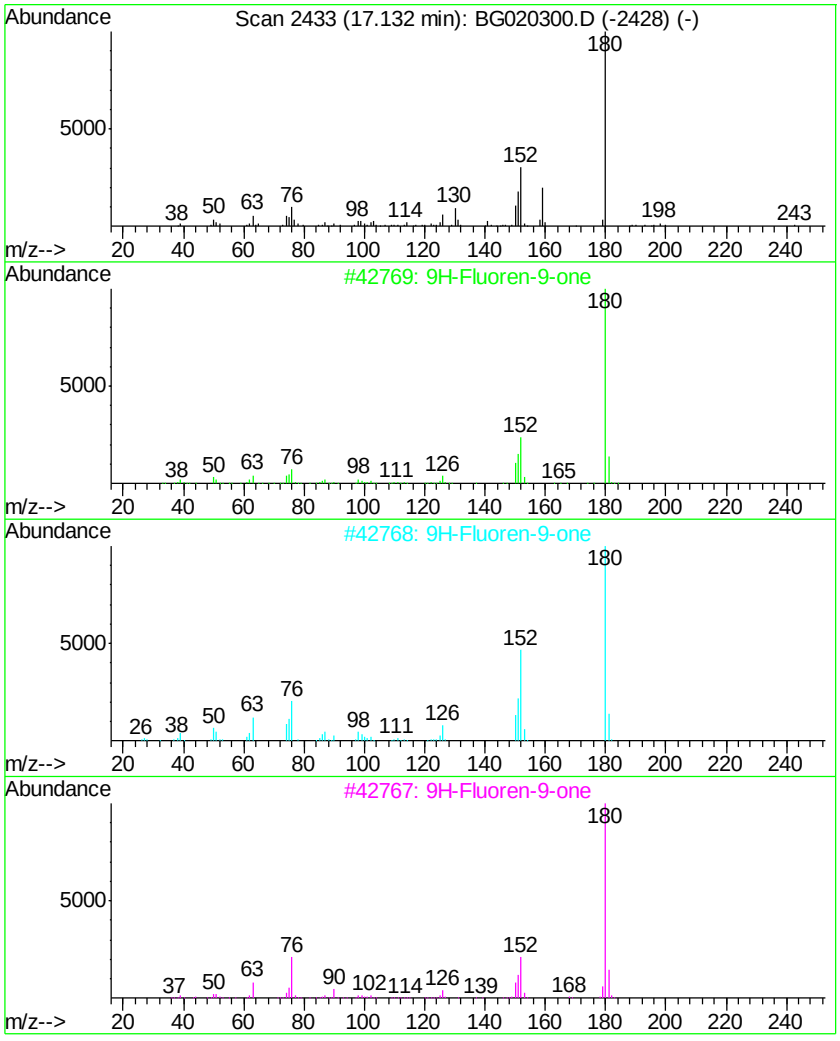
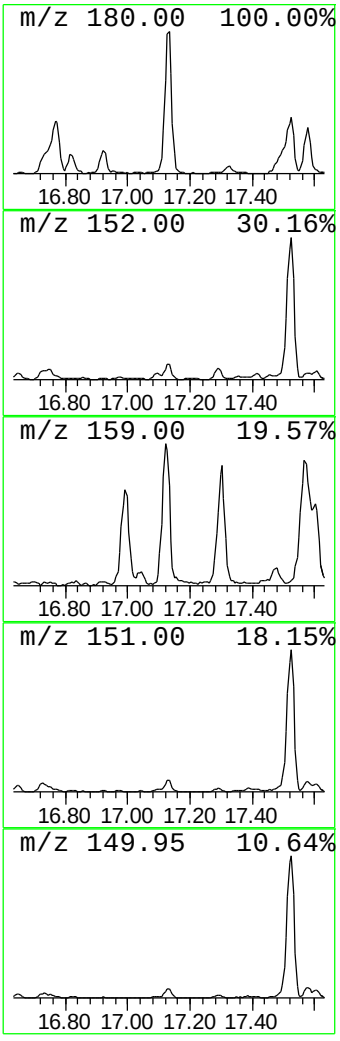
Peak Number 27 9H-Fluoren-9-one Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	7.67 ng/ul	230719	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





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ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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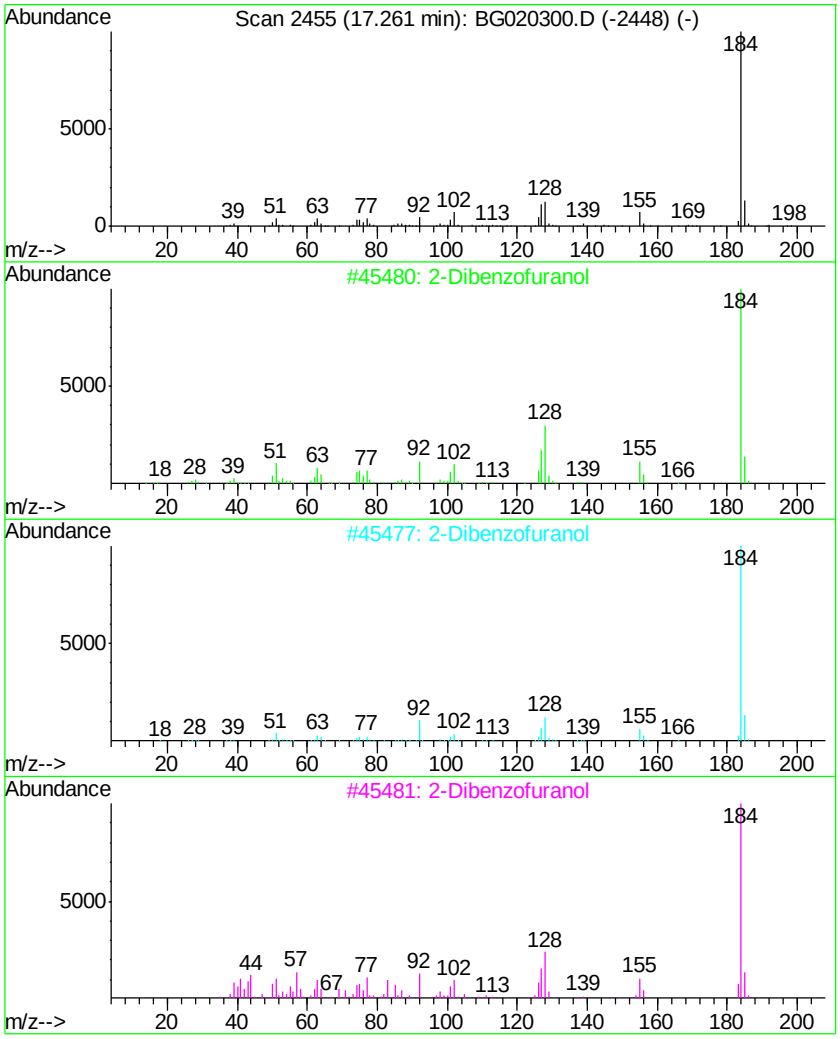
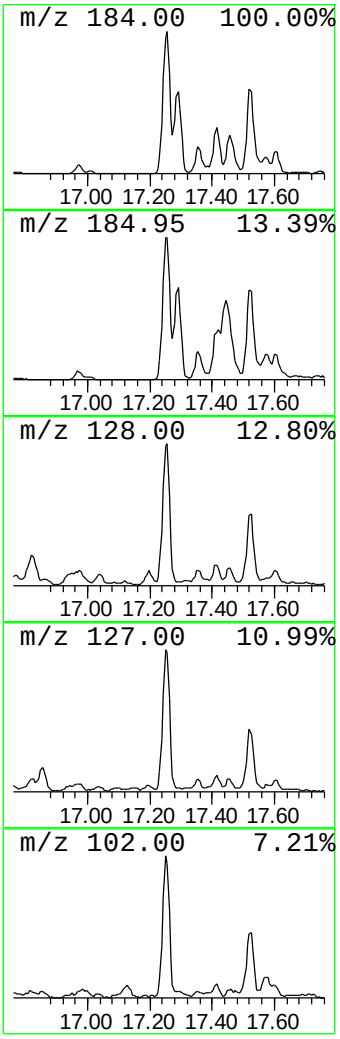
Peak Number 28 2-Dibenzofuranol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	21.80 ng/ul	655969	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	94
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
5	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	78





Library Search Compound Report

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ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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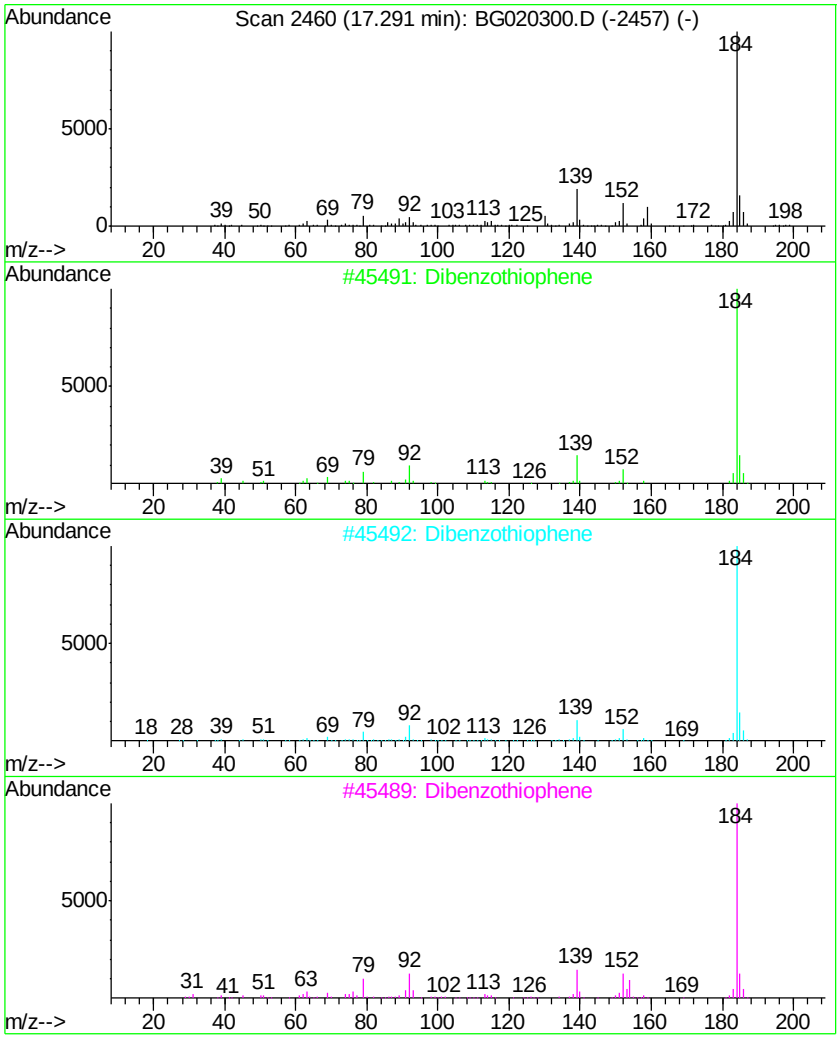
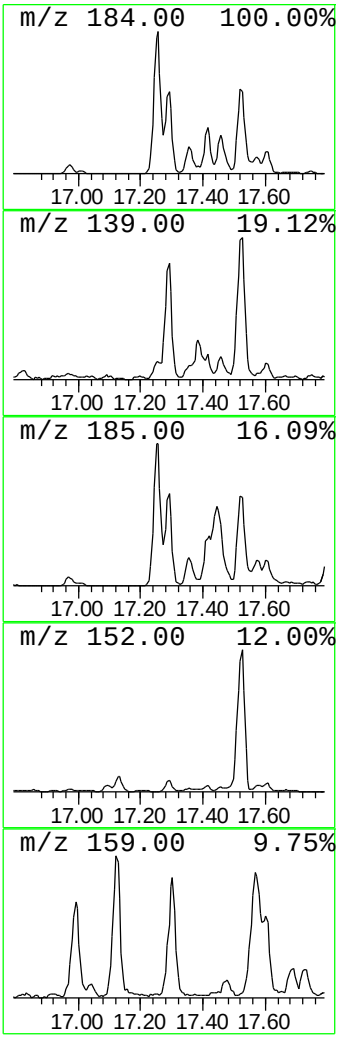
Peak Number 29 Dibenzothiophene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	12.39 ng/ul	372679	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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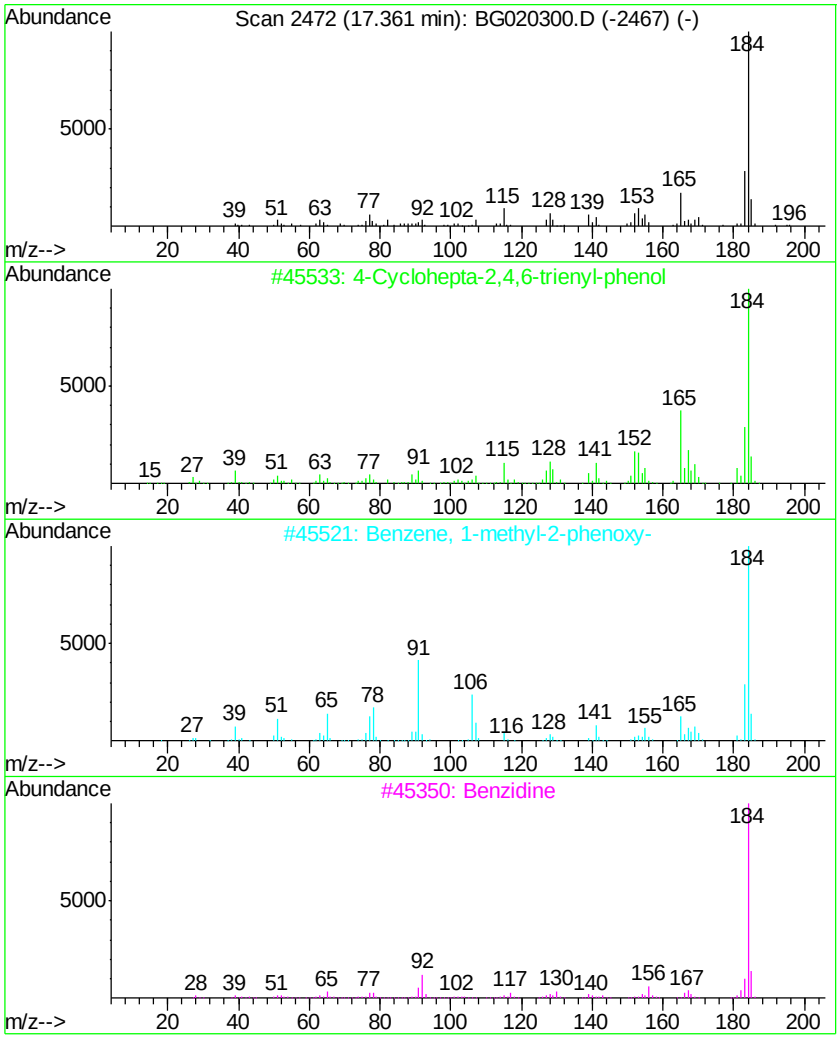
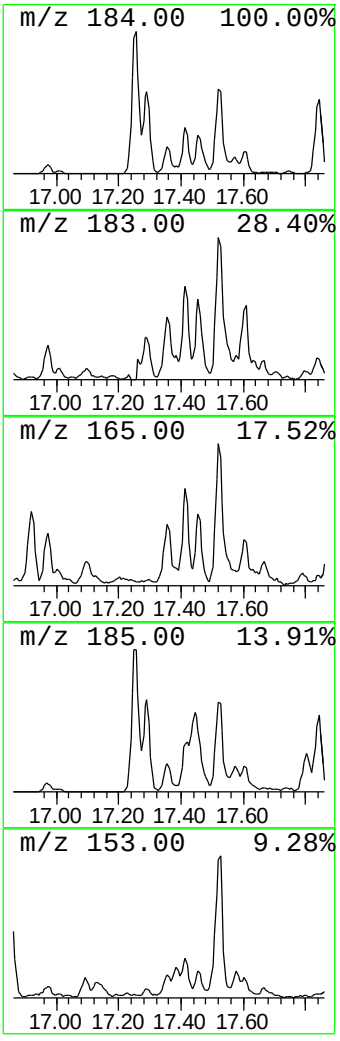
Peak Number 30 4-Cyclohepta-2,4,6-trienyl-... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	4.91 ng/ul	147699	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	83
2	Benzene, 1-methyl-2-phenoxy-	184	C13H12O	003991-61-5	78
3	Benzidine	184	C12H12N2	000092-87-5	64
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	62
5	2,2'-Bipyridine, 6,6'-dimethyl-	184	C12H12N2	004411-80-7	59





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ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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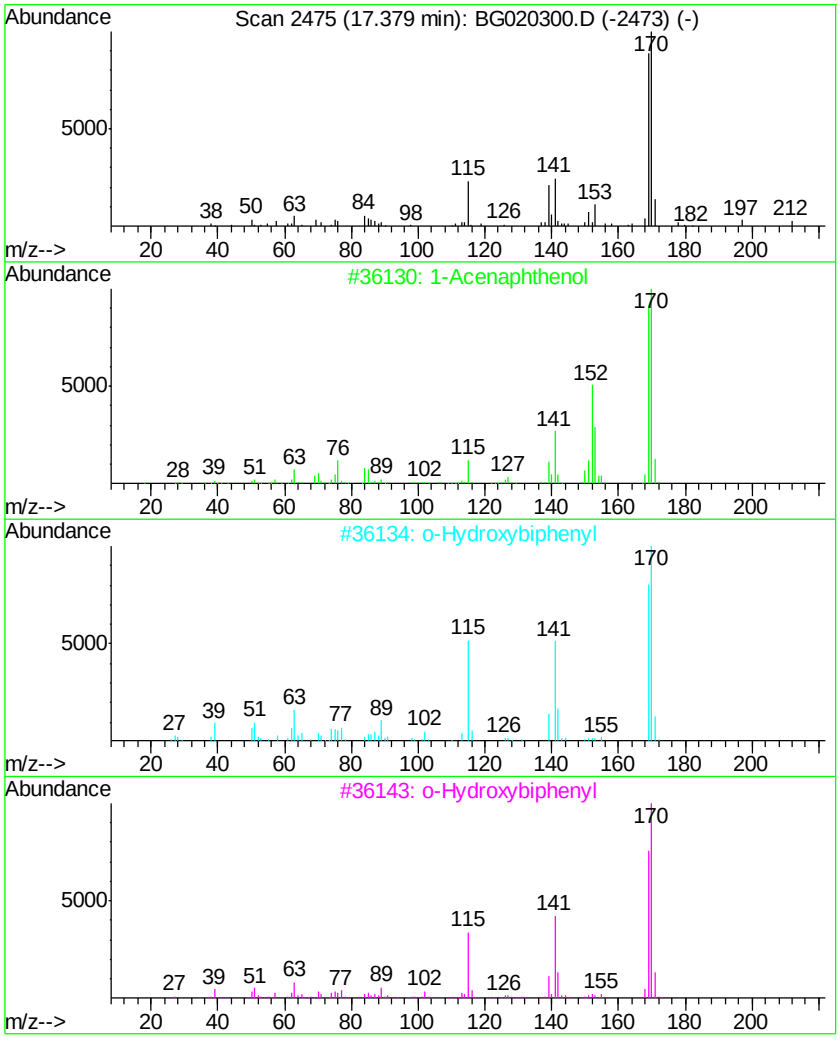
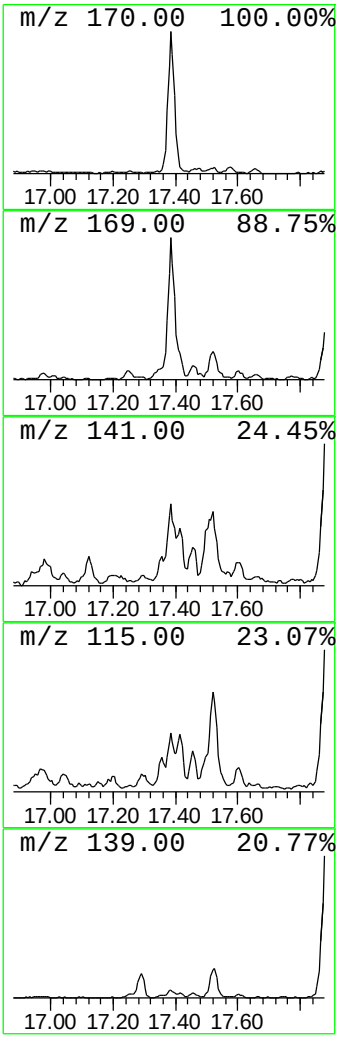
Peak Number 31 1-Acenaphthenol Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	5.21 ng/ul	156826	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthenol	170	C12H10O	006306-07-6	80
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	80
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	64
4	Benzaldehyde, 2-fluoro-5-hydroxy...	170	C8H7FO3	079418-76-1	58
5	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020300.D
Acq On : 19 Dec 2015 7:27
Operator : UM/SJ
Sample : G4768-20
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	7.74	6.4	ng/ul	167860	1	8.09	523183	20.0
Benzofuran	7.81	20.0	ng/ul	523183	1	8.09	523183	20.0
Indane	8.47	14.0	ng/ul	366987	1	8.09	523183	20.0
Indene	8.65	179.3	ng/ul	4688920	1	8.09	523183	20.0
Benzonitrile, 4-m...	9.32	5.9	ng/ul	155417	1	8.09	523183	20.0
1H-Inden-5-ol, 2,...	12.94	26.0	ng/ul	386021	3	14.73	296580	20.0
Quinoline, 6-methyl-	13.20	22.9	ng/ul	340313	3	14.73	296580	20.0
1H-Indole, 4-methyl-	13.28	13.1	ng/ul	194849	3	14.73	296580	20.0
1H-Indole, 5-methyl-	13.67	36.6	ng/ul	543048	3	14.73	296580	20.0
Naphthalene, 1-et...	13.76	24.3	ng/ul	359659	3	14.73	296580	20.0
Naphthalene, 2,7-...	13.91	48.5	ng/ul	719749	3	14.73	296580	20.0
Naphthalene, 1,4-...	14.05	37.8	ng/ul	560582	3	14.73	296580	20.0
6-Methyl-4-indanol	14.21	11.2	ng/ul	165605	3	14.73	296580	20.0
Naphthalene, 2,3-...	14.28	11.9	ng/ul	176555	3	14.73	296580	20.0
2-Naphthalenol	15.01	134.0	ng/ul	1987430	3	14.73	296580	20.0
1-Naphthalenol, 2...	15.90	55.5	ng/ul	823087	3	14.73	296580	20.0
Benzaldehyde, 2,6...	15.99	64.1	ng/ul	950663	3	14.73	296580	20.0
unknown-01	16.06	15.4	ng/ul	228022	3	14.73	296580	20.0
1-Naphthalenol, 4...	16.14	7.8	ng/ul	235803	4	17.47	601702	20.0
unknown-02	16.19	5.8	ng/ul	173043	4	17.47	601702	20.0
unknown-03	16.44	11.0	ng/ul	330213	4	17.47	601702	20.0
Anthracene, 9,10-...	16.56	6.1	ng/ul	184576	4	17.47	601702	20.0
[1,1'-Biphenyl]-3-ol	16.64	28.8	ng/ul	865393	4	17.47	601702	20.0
Phenol, 2-(phenyl...	16.97	8.6	ng/ul	257934	4	17.47	601702	20.0
9H-Fluoren-9-one	17.13	7.7	ng/ul	230719	4	17.47	601702	20.0
2-Dibenzofuranol	17.26	21.8	ng/ul	655969	4	17.47	601702	20.0
Dibenzothiophene	17.29	12.4	ng/ul	372679	4	17.47	601702	20.0
4-Cyclohepta-2,4,...	17.36	4.9	ng/ul	147699	4	17.47	601702	20.0
1-Acenaphthenol	17.38	5.2	ng/ul	156826	4	17.47	601702	20.0